

Figure 1d

DDX17 (82 and 72 kDa)

Sham			TAC		
1	2	3	4	5	6
1	2	3	4	5	6

82 kDa
72 kDa

GAPDH (37 kDa)

Sham			TAC		
1	2	3	4	5	6
1	2	3	4	5	6

37 kDa

Figure 1k

DDX17 (82 and 72 kDa)

Con			Dox		
1	2	3	4	5	6
1	2	3	4	5	6

82 kDa
72 kDa

GAPDH (37 kDa)

Con			Dox		
1	2	3	4	5	6
1	2	3	4	5	6

37 kDa

Figure 1m

DDX17 (82 and 72 kDa)

Con SF HP TNF- α H₂O₂ Dox

82 kDa
72 kDa

GAPDH (37 kDa)

Con SF HP TNF- α H₂O₂ Dox

37 kDa

Figure 1m

DDX17 (82 and 72 kDa)

Con SF HP TNF- α H₂O₂ Dox

82 kDa
72 kDa

GAPDH (37 kDa)

Con SF HP TNF- α H₂O₂ Dox

37 kDa

Figure 1o

DDX17 (82 and 72 kDa)

Normoxia Hypoxia Normoxia Hypoxia
1 2 3 1 2 3 1 2 3

 82 kDa
72 kDa

GAPDH (37 kDa)

Normoxia Hypoxia Normoxia Hypoxia
1 2 3 1 2 3 1 2 3

 37 kDa

DDX17 (82 and 72 kDa)

Normoxia Hypoxia Normoxia Hypoxia
1 2 3 1 2 3 1 2 3

 82 kDa
72 kDa

GAPDH (37 kDa)

Normoxia Hypoxia Normoxia Hypoxia
1 2 3 1 2 3 1 2 3

 37 kDa

Normoxia Hypoxia

1 2 3 4 5 1 2 3 4 5 6

 82 kDa
72 kDa

Normoxia Hypoxia

1 2 3 4 5 1 2 3 4 5 6

 37 kDa

Figure 1q

DDX17 (82 and 72 kDa)

H_2O_2 (μM)

Con 50 100 200 300

 82 kDa
72 kDa

GAPDH (37 kDa)

H_2O_2 (μM)

Con 50 100 200 300

 37 kDa

Figure 1q

DDX17 (82 and 72 kDa)

Con H₂O₂ (μM)

1 2 50 100 200 300

Con H₂O₂ (μM)

1 2 50 100 200 300

GAPDH (37 kDa)

Con H₂O₂ (μM)

1 2 50 100 200 300

Con H₂O₂ (μM)

1 2 50 100 200 300

82 kDa
72 kDa

37 kDa

Figure 1s

DDX17 (82 and 72 kDa)

Dox (μM)

Con 0.1 0.5 1

Dox (μM)

1 2

1

2

1

2

1

2

Con

0.1

0.5

1

82 kDa
72 kDa

GAPDH (37 kDa)

Dox (μM)

Con 0.1 0.5 1

Dox (μM)

1

2

1

2

1

37 kDa

Dox (μM)

Con	0.1	0.5	1				
1	2	3	1	2	3	1	2

Dox (μM)

Con	0.1	0.5	1				
1	2	3	1	2	3	1	2

82 kDa
72 kDa

37 kDa

Figure 2a

DDX17 (82 and 72 kDa)

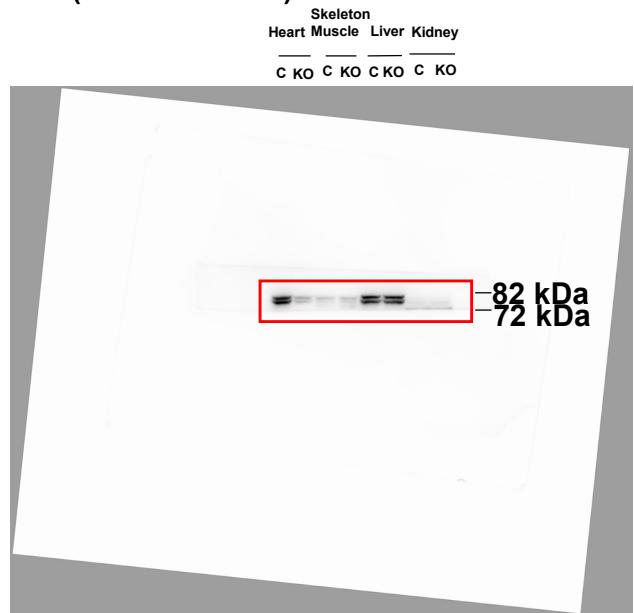


GAPDH (37 kDa)



Figure 2c

DDX17 (82 and 72 kDa)



GAPDH (37 kDa)

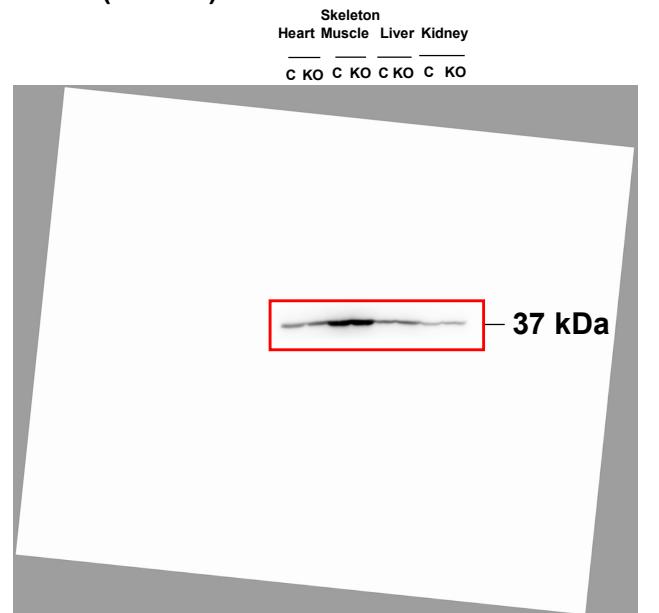
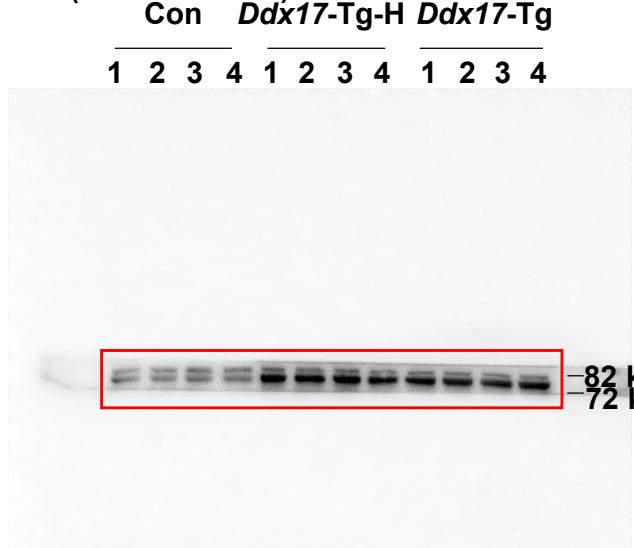


Figure 3a

DDX17 (82 and 72 kDa)



GAPDH (37 kDa)

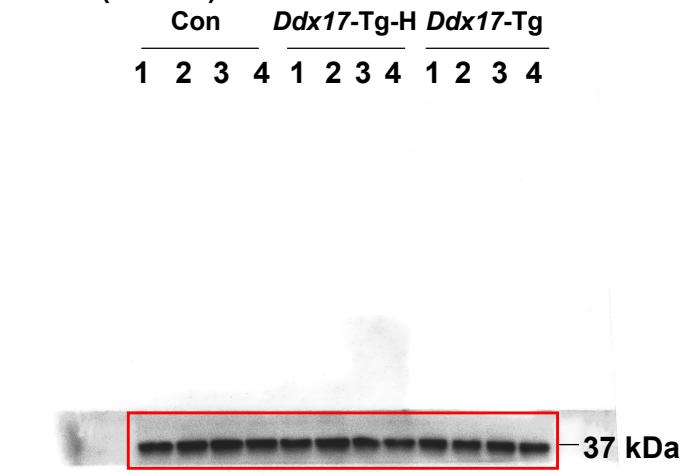
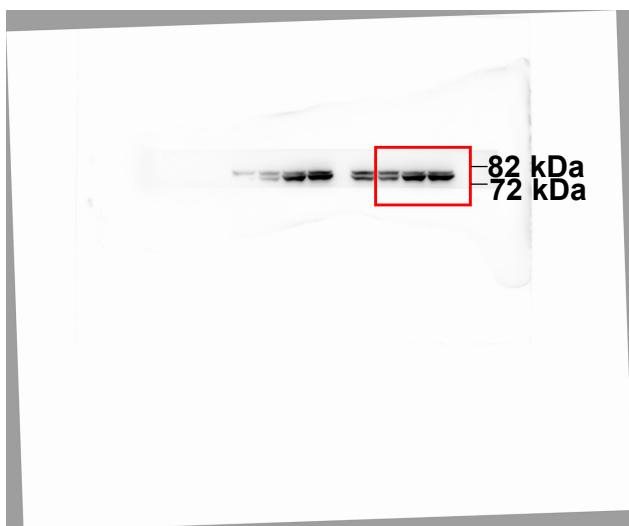


Figure 3a

DDX17 (82 and 72 kDa)

INC	Con	Ddx17	Ddx17-Tg-H	Tg
-----	-----	-------	------------	----



GAPDH (37 kDa)

INC	Con	Ddx17	Ddx17-Tg-H	Tg
-----	-----	-------	------------	----

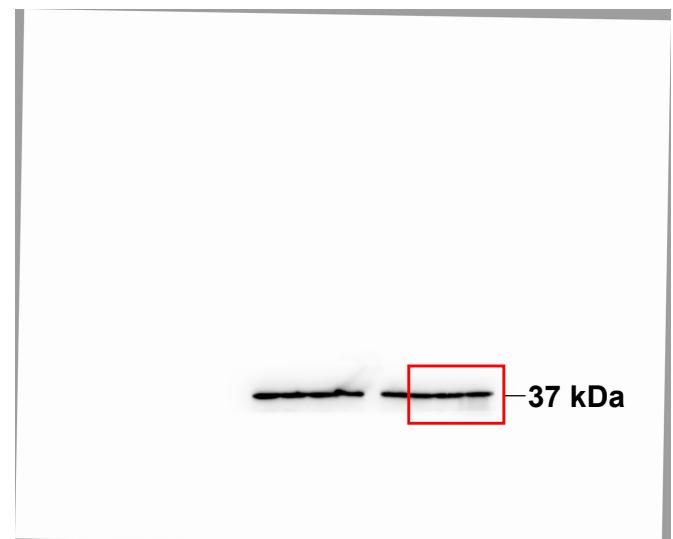


Figure 3b

DDX17 (82 and 72 kDa)

Skeleton		Heart		Muscle		Liver		Kidney	
C	Tg	C	Tg	C	Tg	C	Tg	C	Tg



GAPDH (37 kDa)

Skeleton		Heart		Muscle		Liver		Kidney	
C	Tg	C	Tg	C	Tg	C	Tg	C	Tg

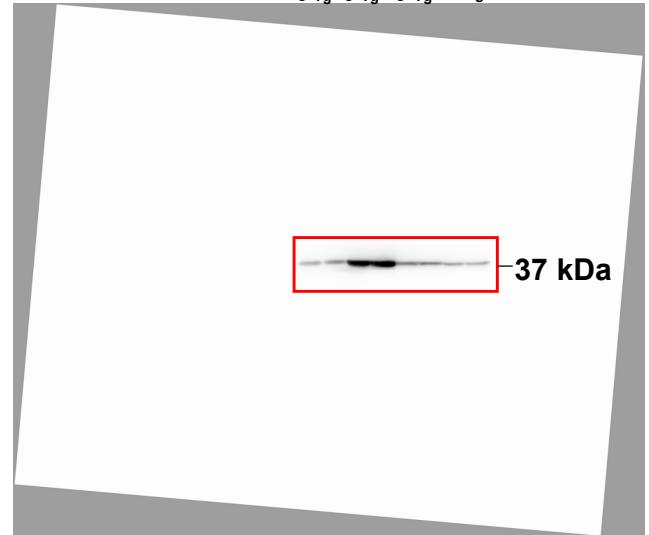
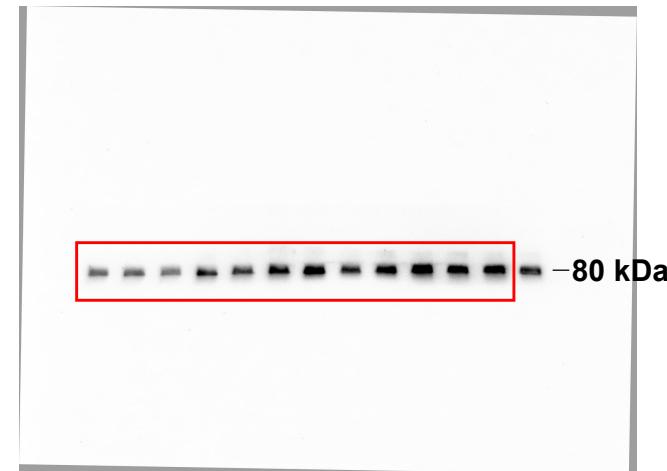


Figure 4s

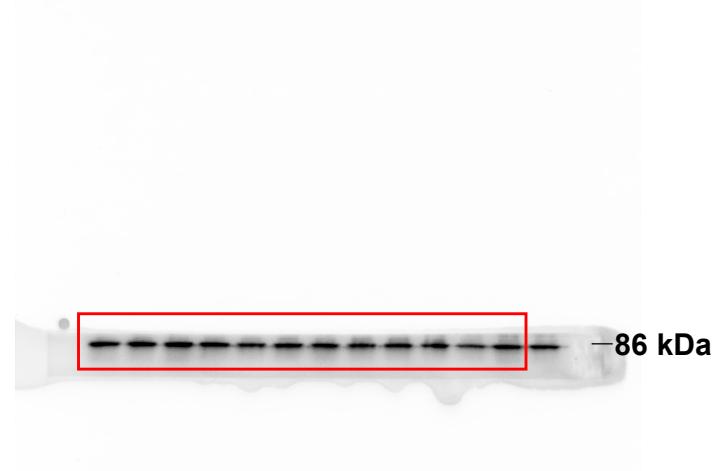
DRP1 (80 kDa)

Saline			Dox		
Con	Ddx17-cKO	Con	Ddx17-cKO	Con	Ddx17-cKO
1	2	3	1	2	3



MFN1 (86 kDa)

Saline			Dox		
Con	Ddx17-cKO	Con	Ddx17-cKO	Con	Ddx17-cKO
1	2	3	1	2	3



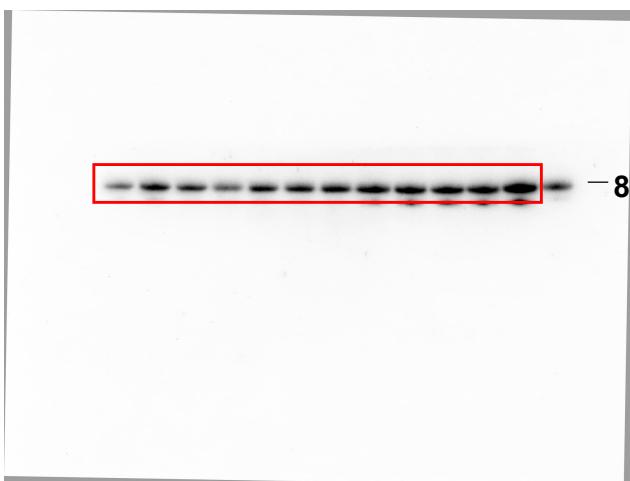
INC: internal positive control

Figure 4s

DRP1 (80 kDa)

Saline				Dox			
Con	Ddx17-cKO	Con	Ddx17-cKO	Con	Ddx17-cKO	Con	Ddx17-cKO
4	5	6	4	5	6	4	5

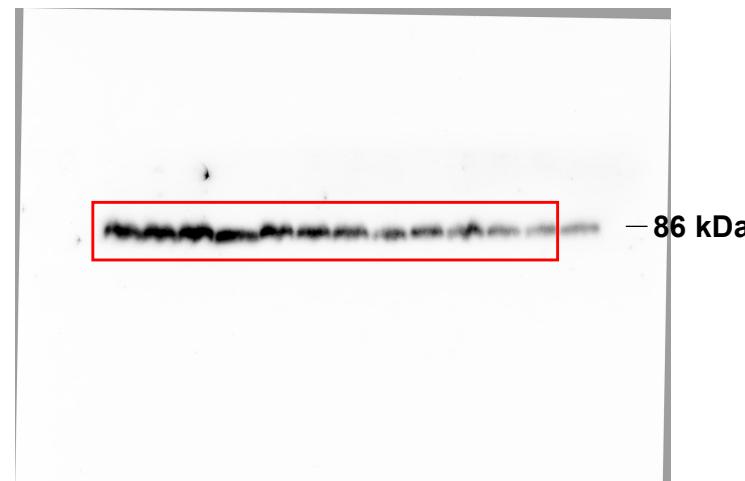
4 5 6 4 5 6 4 5 6 INC



MFN1 (86 kDa)

Saline				Dox			
Con	Ddx17-cKO	Con	Ddx17-cKO	Con	Ddx17-cKO	Con	Ddx17-cKO
4	5	6	4	5	6	4	5

4 5 6 4 5 6 4 5 6 INC



MFN2 (80 kDa)

Saline				Dox			
Con	Ddx17-cKO	Con	Ddx17-cKO	Con	Ddx17-cKO	Con	Ddx17-cKO
1	2	3	1	2	3	1	2

1 2 3 1 2 3 1 2 3 INC



GAPDH (37 kDa)

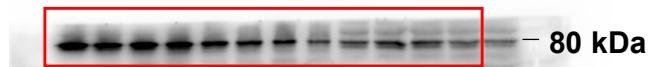
Saline				Dox			
Con	Ddx17-cKO	Con	Ddx17-cKO	Con	Ddx17-cKO	Con	Ddx17-cKO
1	2	3	1	2	3	1	2

1 2 3 1 2 3 1 2 3 INC



Saline				Dox			
Con	Ddx17-cKO	Con	Ddx17-cKO	Con	Ddx17-cKO	Con	Ddx17-cKO
4	5	6	4	5	6	4	5

4 5 6 4 5 6 4 5 6 INC



Saline				Dox			
Con	Ddx17-cKO	Con	Ddx17-cKO	Con	Ddx17-cKO	Con	Ddx17-cKO
4	5	6	4	5	6	4	5

4 5 6 4 5 6 4 5 6 INC

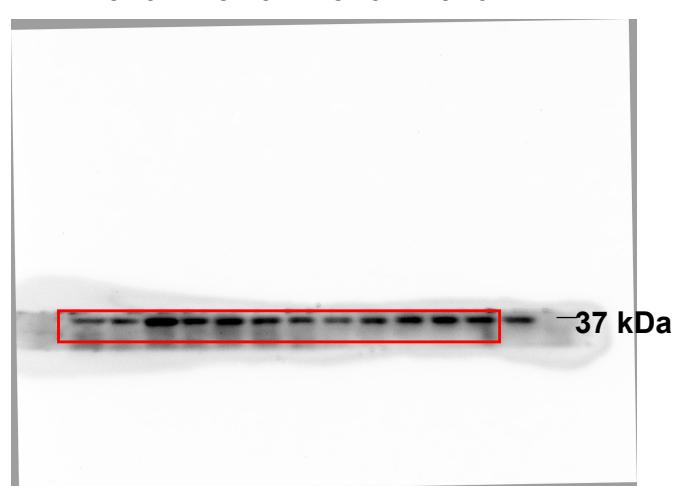


Figure 4s

GAPDH (37 kDa)

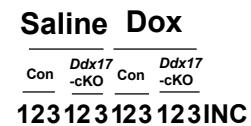
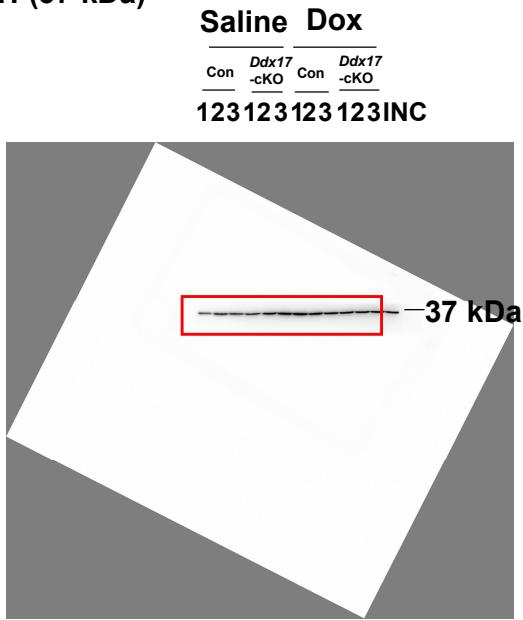
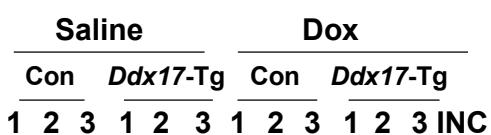


Figure 4t

DRP1 (80 kDa)



MFN1 (86 kDa)

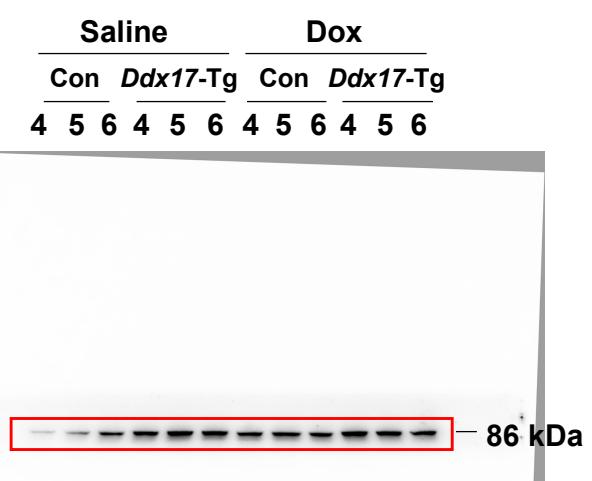
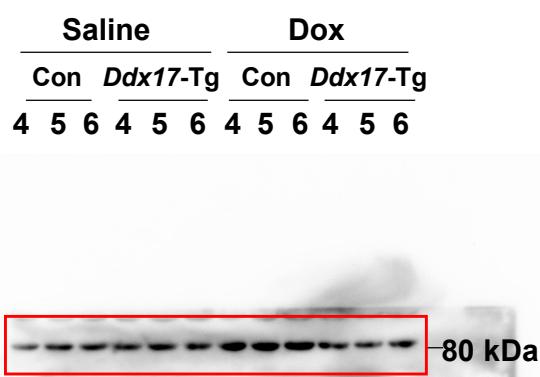
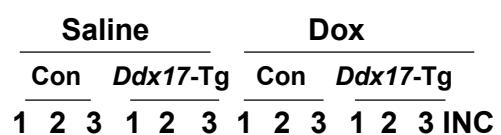
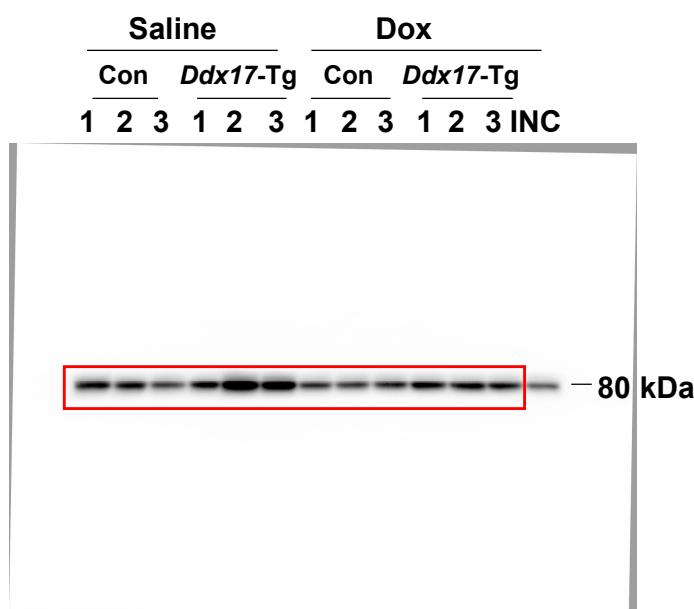
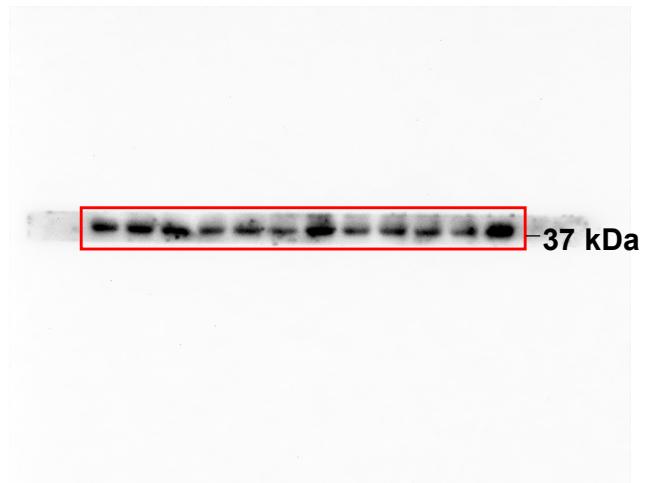
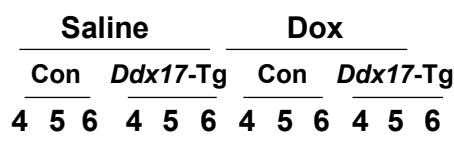
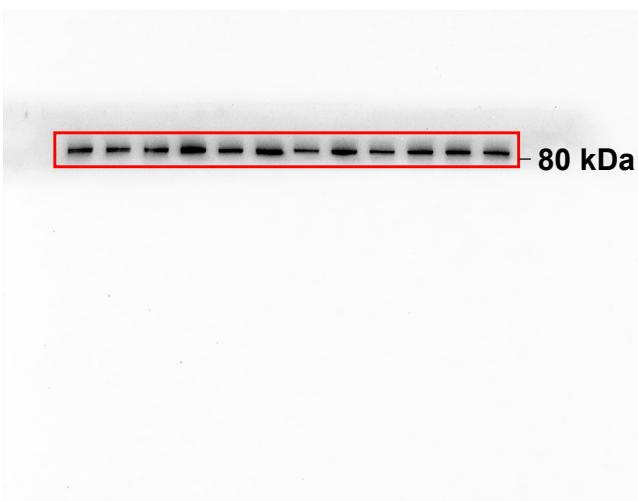
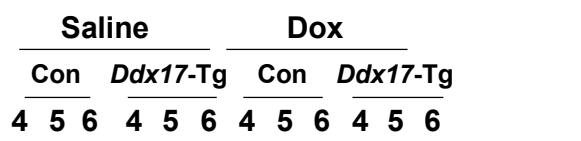
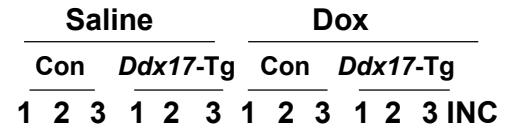


Figure 4t

MFN2 (80 kDa)



GAPDH (37 kDa)



GAPDH (37 kDa)

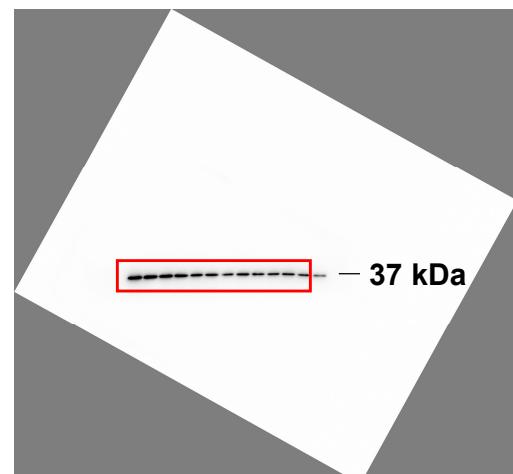
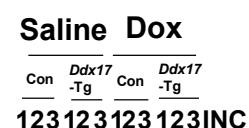
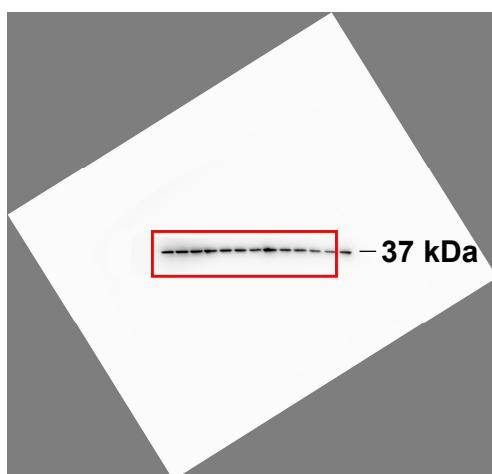
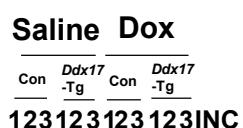
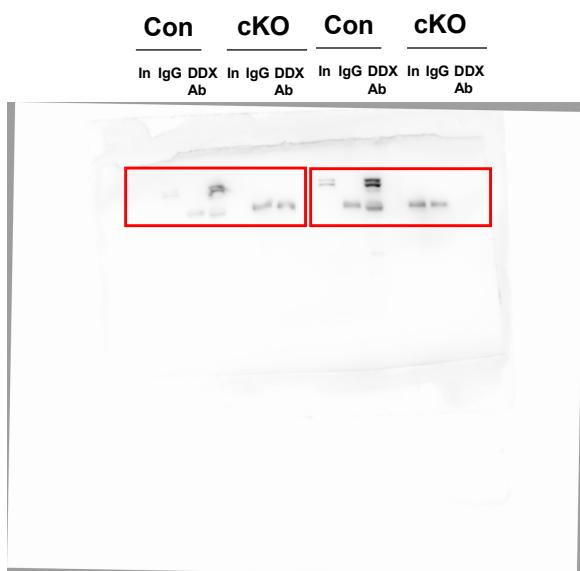


Figure 5d

DDX17 (82 and 72 kDa)



BCL6 (87 kDa)

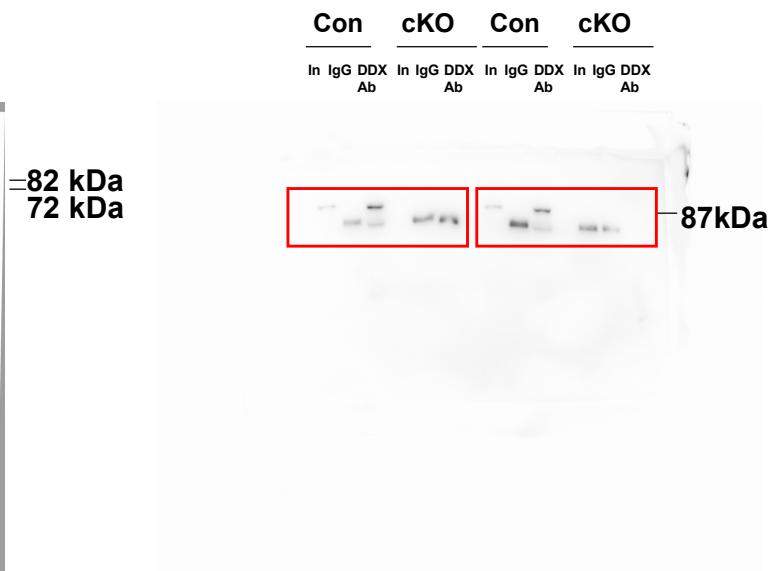
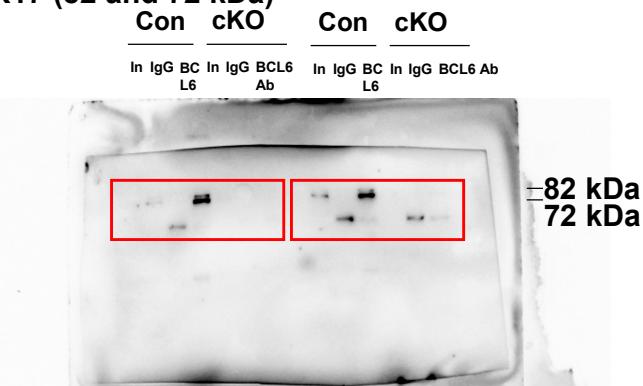


Figure 5e

DDX17 (82 and 72 kDa)



BCL6 (87 kDa)

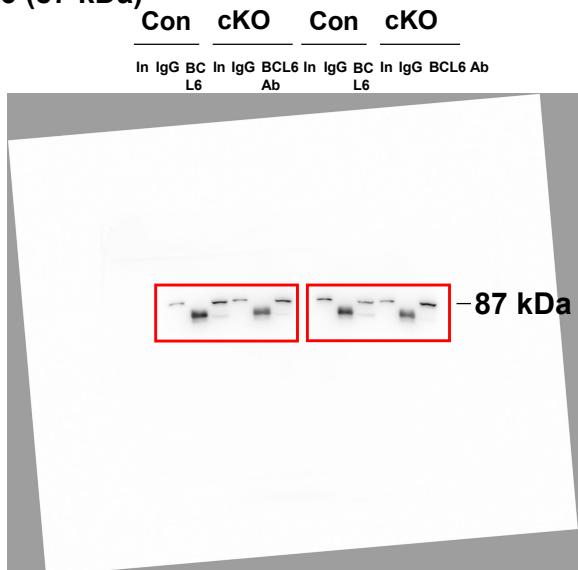
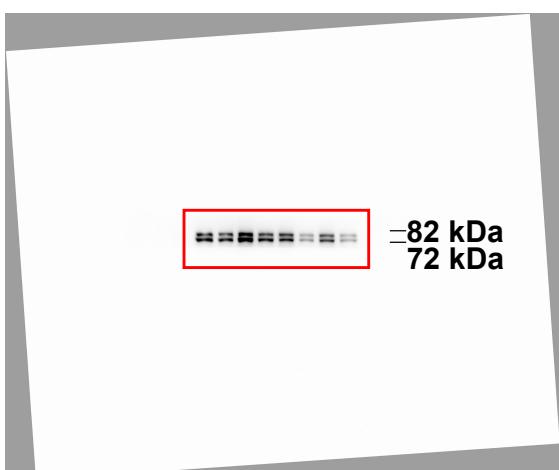


Figure 5k

DDX17 (82 and 72 kDa)

Ddx17 siRNA - + - + - + - +
Drp1 siRNA - - + + - - + +
Dox - - - - + + + +



DRP1 (80 kDa)

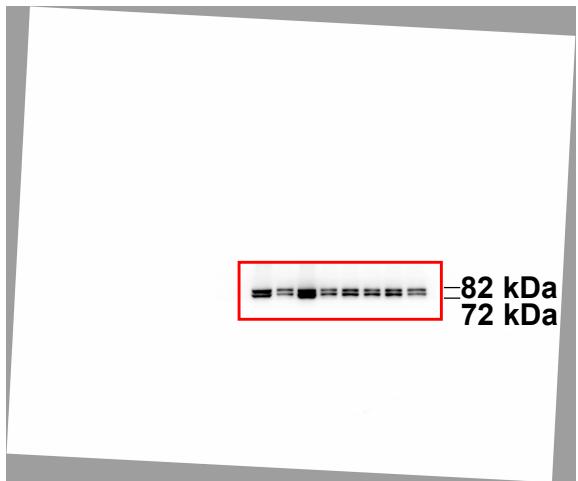
Ddx17 siRNA - + - + - + - +
Drp1 siRNA - - + + - - + +
Dox - - - - + + + +



Figure 5k

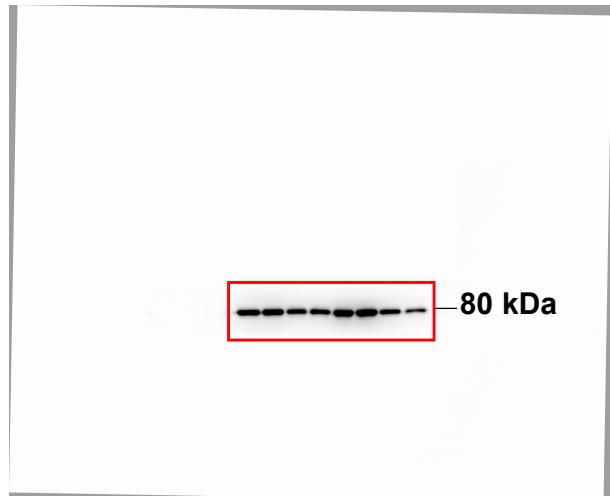
DDX17 (82 and 72 kDa)

Ddx17 siRNA - + - + - + - +
Drp1 siRNA - - + + - - + +
Dox - - - - + + + +



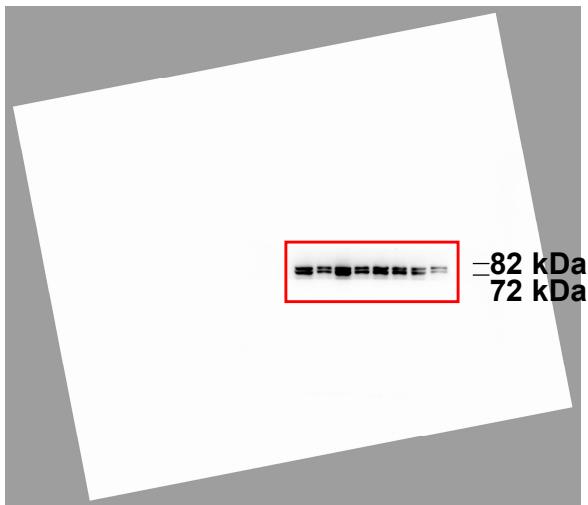
DRP1 (80 kDa)

Ddx17 siRNA - + - + - + - +
Drp1 siRNA - - + + - - + +
Dox - - - - + + + +



Ddx17 siRNA - + - + - + - +

Drp1 siRNA - - + + - - + +
Dox - - - - + + + +



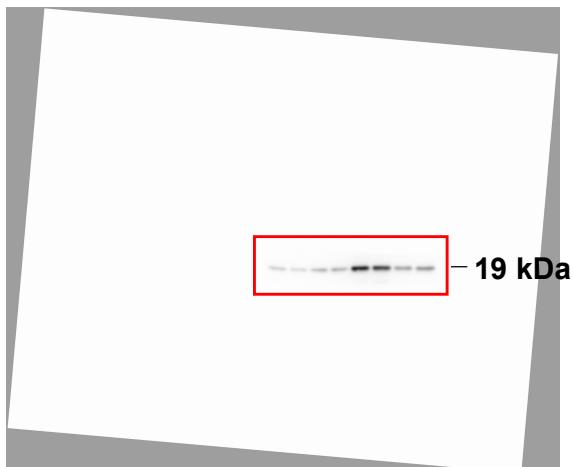
Ddx17 siRNA - + - + - + - +

Drp1 siRNA - - + + - - + +
Dox - - - - + + + +



C-CASP3 (19 kDa)

Ddx17 siRNA - + - + - + - +
Drp1 siRNA - - + + - - + +
Dox - - - - + + + +



GAPDH (37 kDa)

Ddx17 siRNA - + - + - + - +
Drp1 siRNA - - + + - - + +
Dox - - - - + + + +



Figure 5k

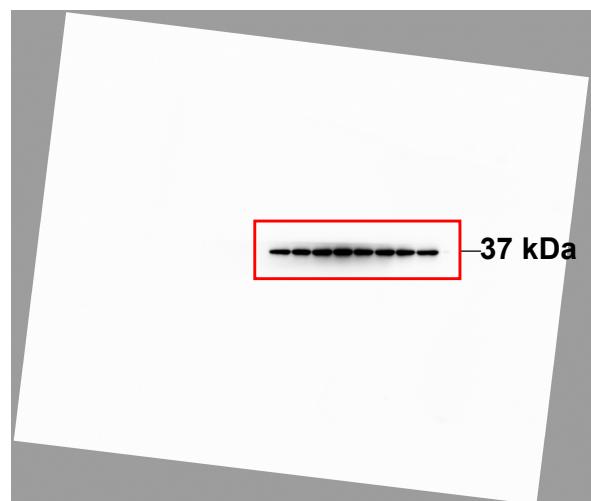
C-CASP3 (19 kDa)

<i>Ddx17</i> siRNA	- + - + - + - +
<i>Drp1</i> siRNA	- - + + - - + +
Dox	- - - - + + + +



GAPDH (37 kDa)

<i>Ddx17</i> siRNA	- + - + - + - +
<i>Drp1</i> siRNA	- - + + - - + +
Dox	- - - - + + + +



<i>Ddx17</i> siRNA	- + - + - + - +
<i>Drp1</i> siRNA	- - + + - - + +
Dox	- - - - + + + +



<i>Ddx17</i> siRNA	- + - + - + - +
<i>Drp1</i> siRNA	- - + + - - + +
Dox	- - - - + + + +

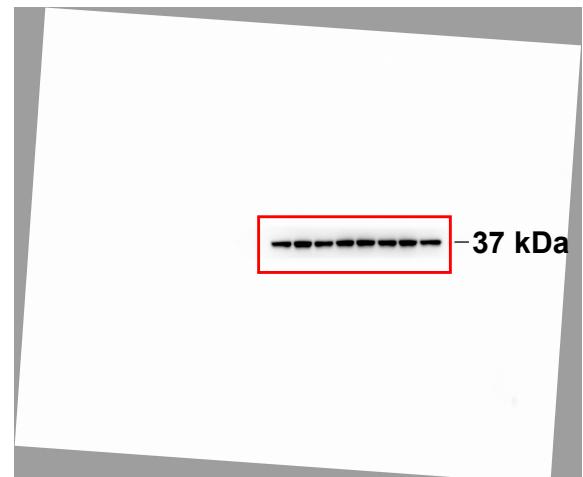
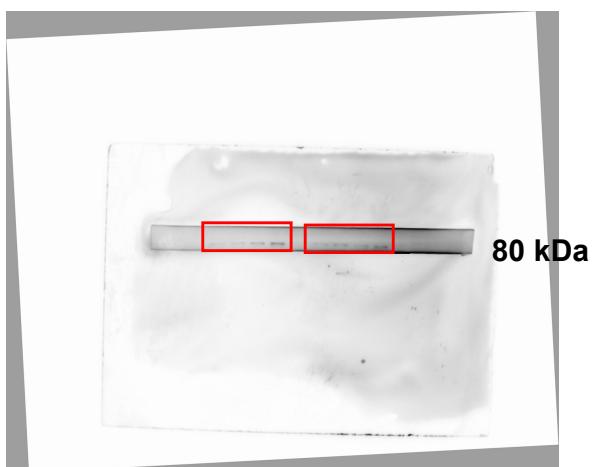


Figure 5o

Mito-DRP1 (80 kDa)

PBS	Dox	PBS	Dox
—	—	—	—
C	KD	C	KD



COX IV (17 kDa)

PBS	Dox	PBS	Dox
—	—	—	—
C	KD	C	KD

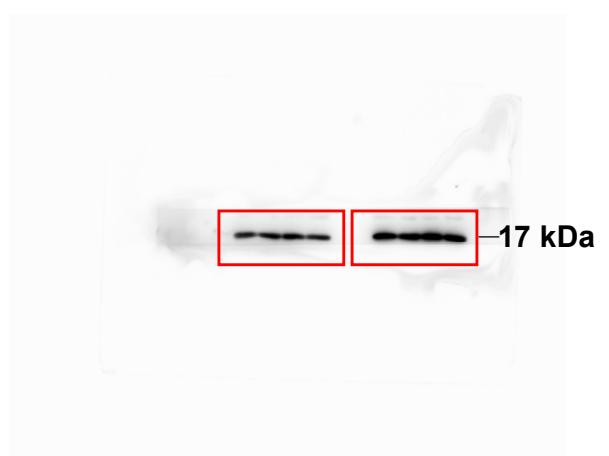
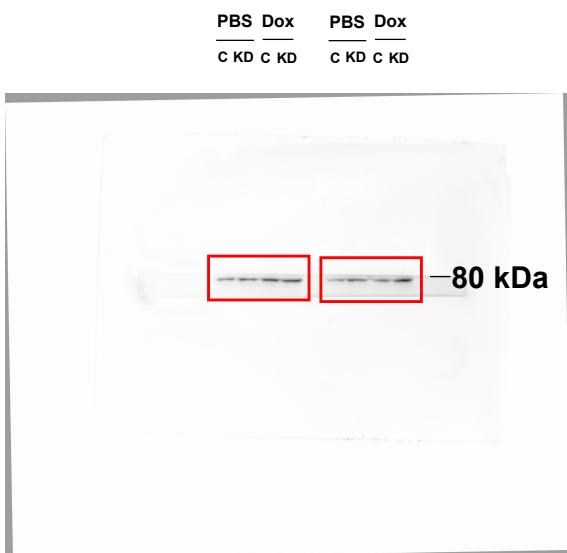
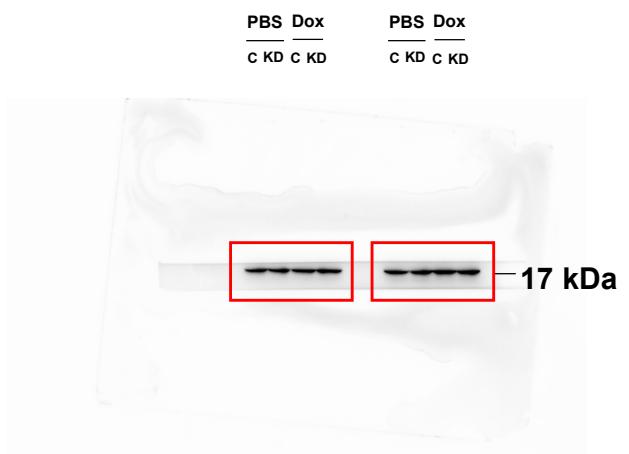


Figure 5o

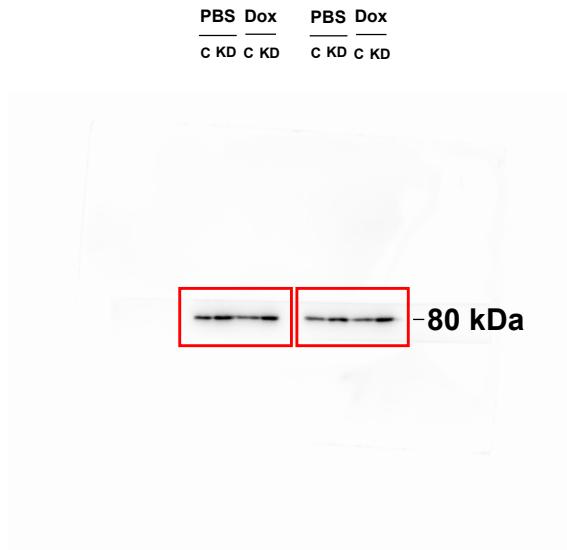
Mito-DRP1 (80 kDa)



COX IV (17 kDa)



Cyto-DRP1 (80 kDa)



Tubulin (55 kDa)



PBS Dox PBS Dox

— C KD C KD — C KD C KD



PBS Dox PBS Dox

— C KD C KD — C KD C KD



Figure 5r

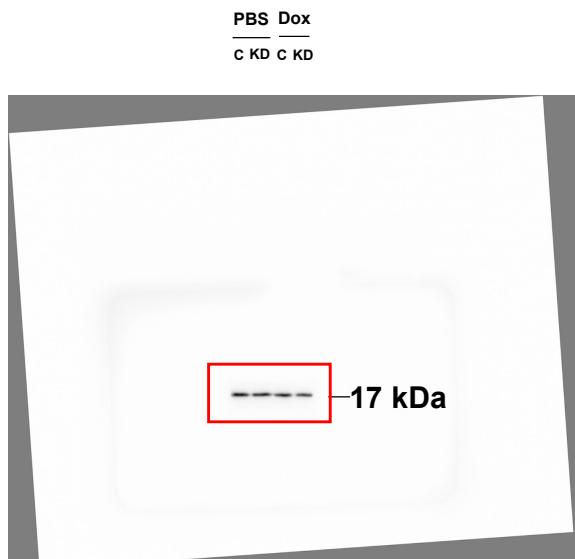
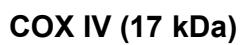
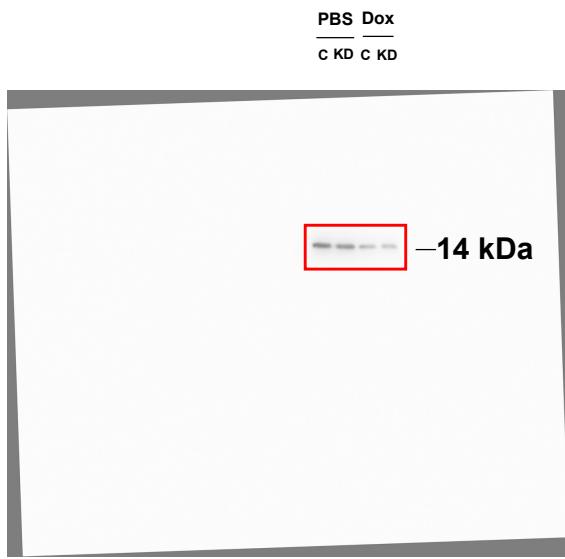
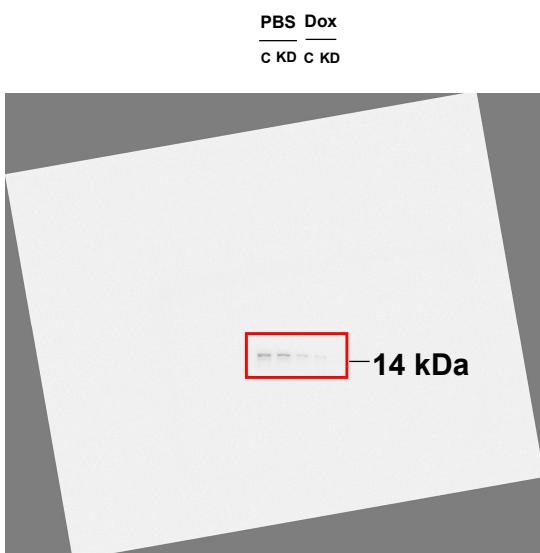


Figure 5

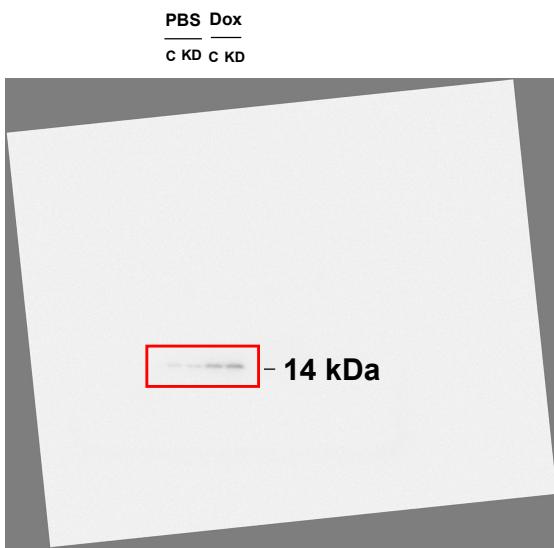
Mito-Cyt C (14 kDa)



COX IV (17 kDa)



Cyto-Cyt C (14 kDa)



Tubulin (55 kDa)



PBS Dox
— —
C KD C KD



PBS Dox
— —
C KD C KD

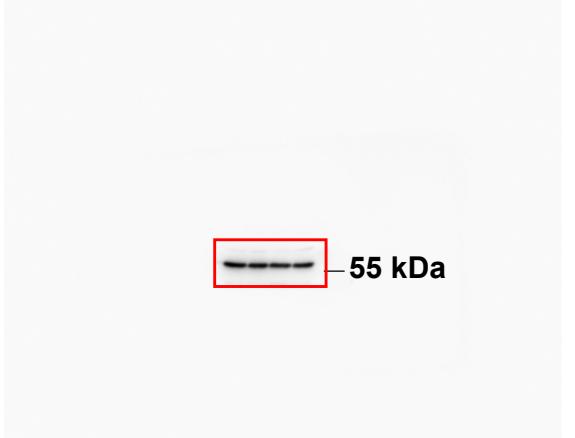
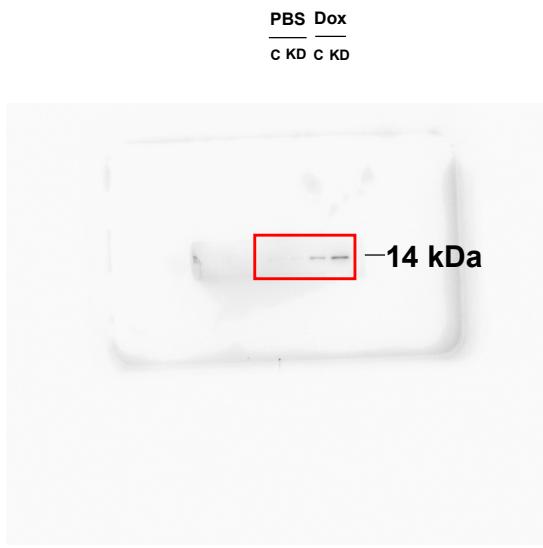
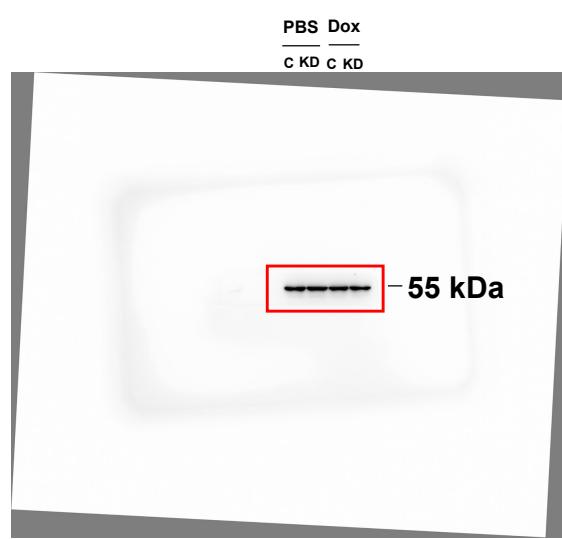
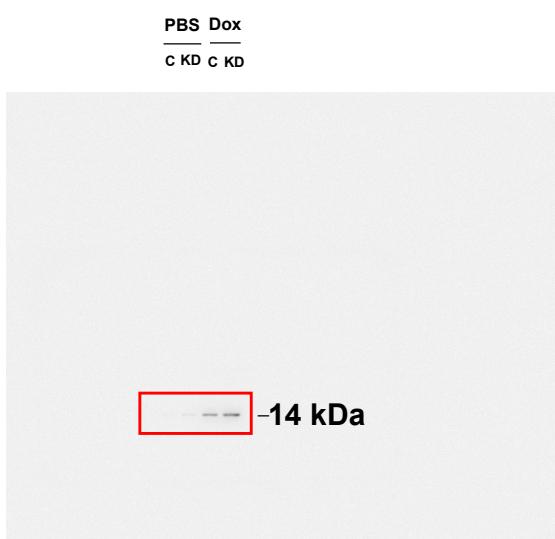
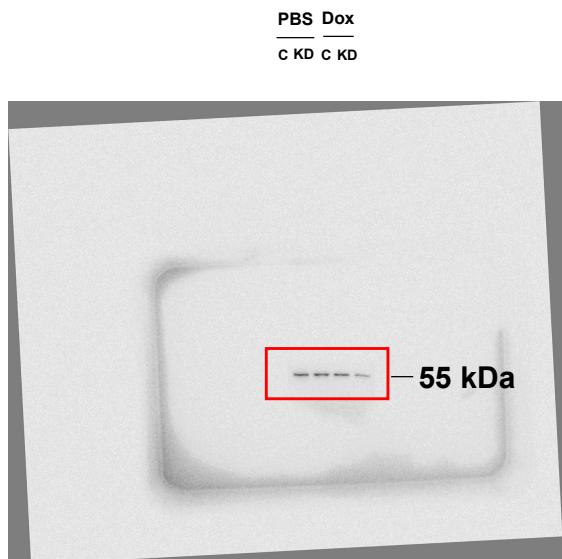


Figure 5r

Cyto-Cyt C (14 kDa)

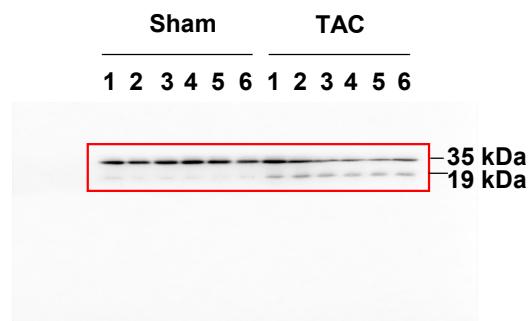


Tubulin (55 kDa)

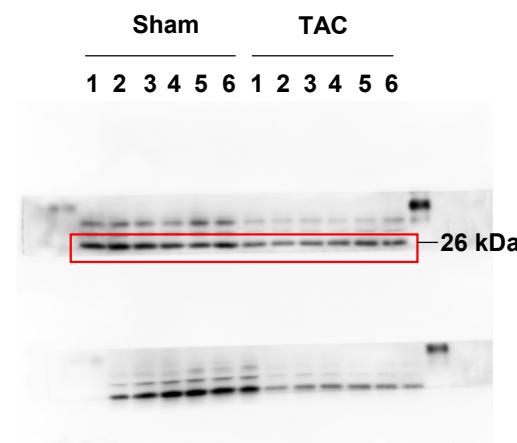


Supplementary Figure 1a

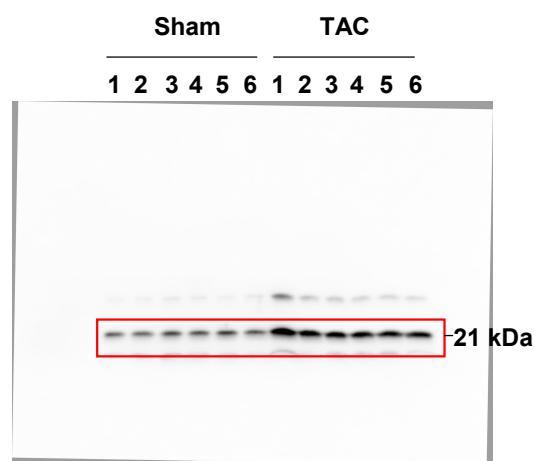
CASP-3 (35 kDa) and c-CASP3 (19 kDa)



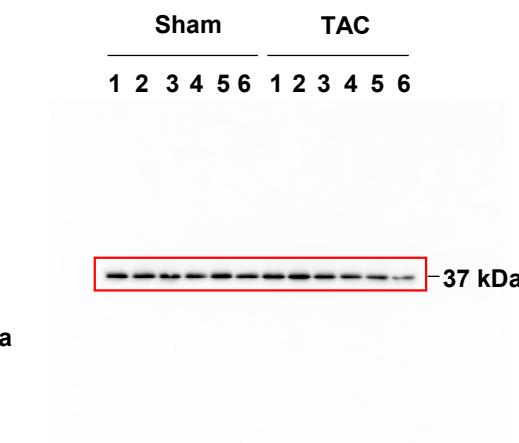
BCL2 (26 kDa)



BAX (21 kDa)

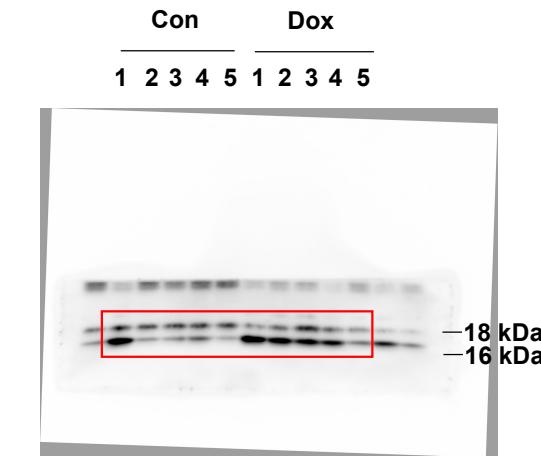


GAPDH (37 kDa)

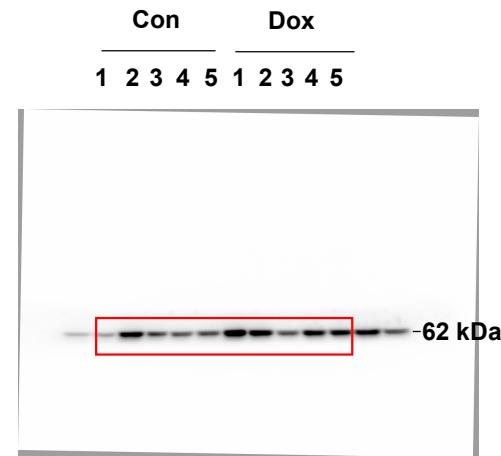


Supplementary Figure 1m

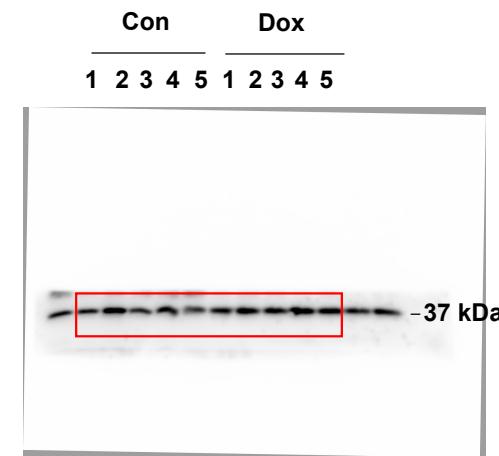
LC3B (18 and 16 kDa)



p62 (62 kDa)

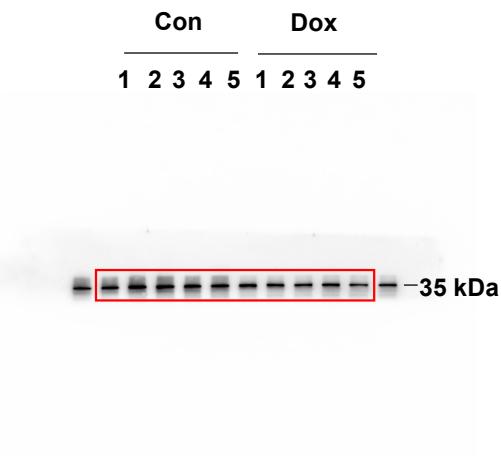


GAPDH (37 kDa)

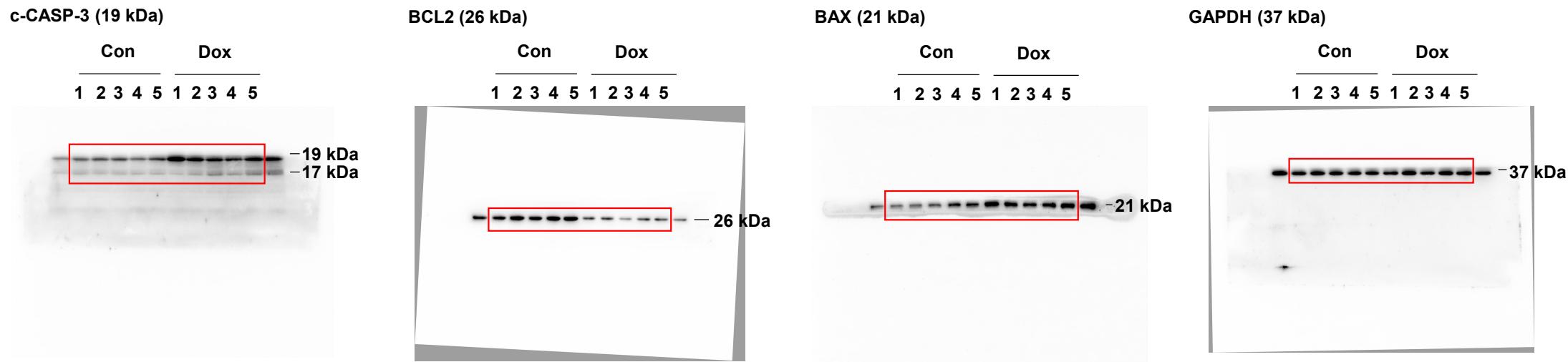


Supplementary Figure 1r

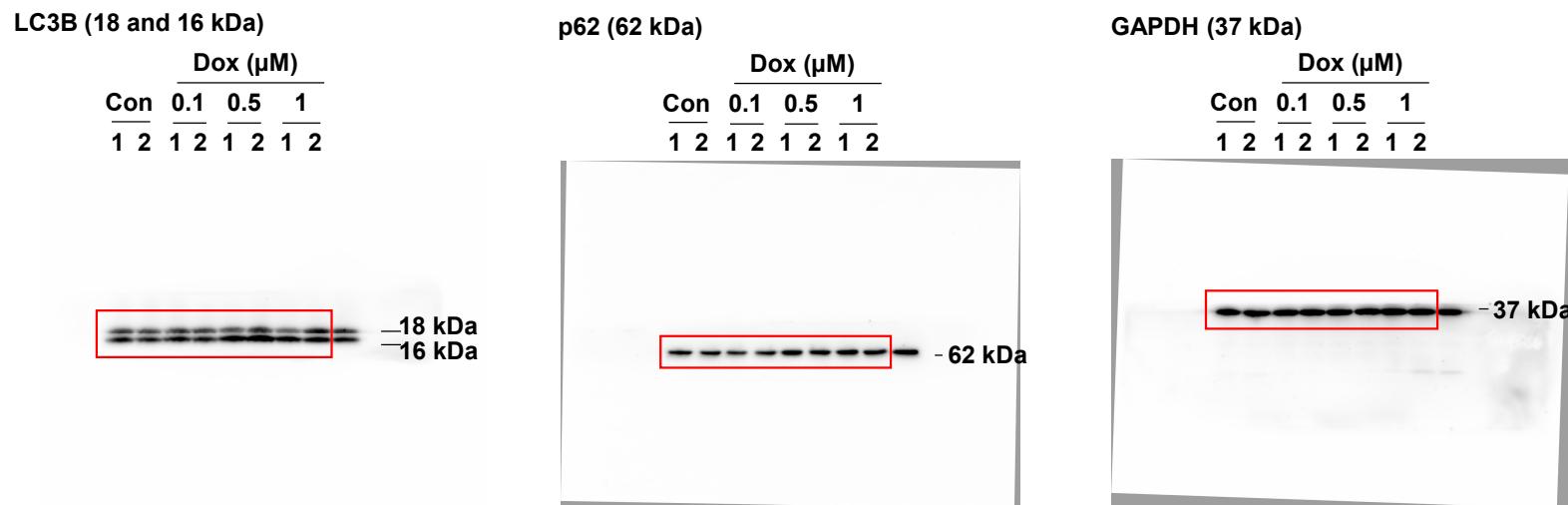
CASP-3 (35 kDa)



Supplementary Figure 1r



Supplementary Figure 2c



Supplementary Figure 2c

LC3B (18 and 16 kDa)

		Dox (μ M)						
Con	0.1	0.5	1					
1	2	3	1	2	3	1	2	3



p62 (62 kDa)

		Dox (μ M)						
Con	0.1	0.5	1					
1	2	3	1	2	3	1	2	3

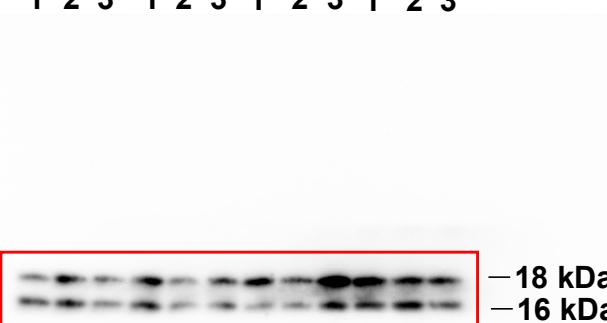


GAPDH (37 kDa)

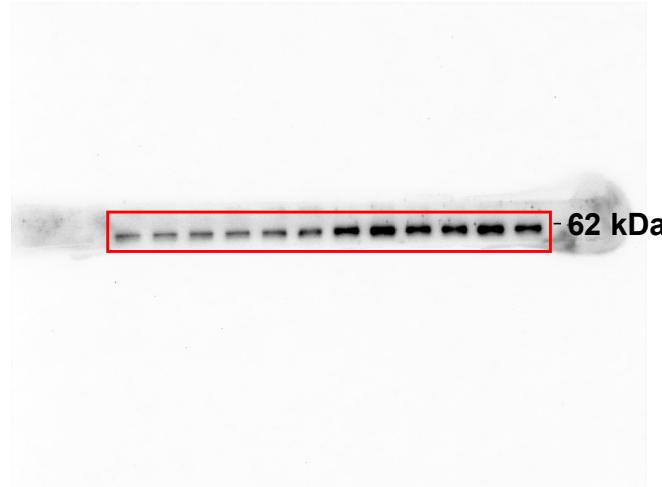
		Dox (μ M)						
Con	0.1	0.5	1					
1	2	3	1	2	3	1	2	3



		Dox (μ M)						
Con	0.1	0.5	1					
1	2	3	1	2	3	1	2	3



		Dox (μ M)						
Con	0.1	0.5	1					
1	2	3	1	2	3	1	2	3

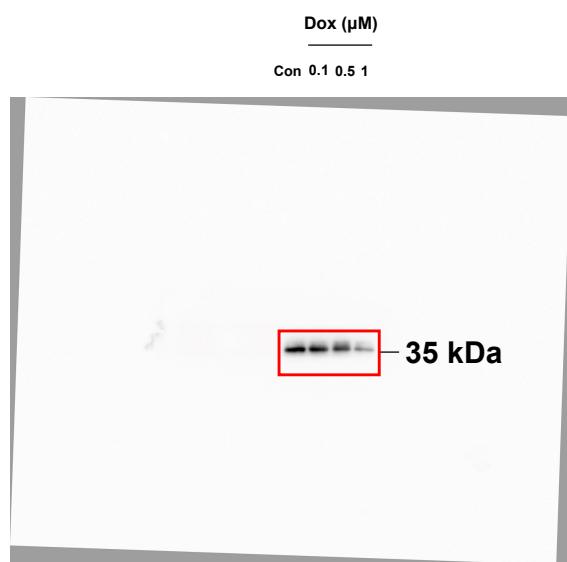


		Dox (μ M)						
Con	0.1	0.5	1					
1	2	3	1	2	3	1	2	3

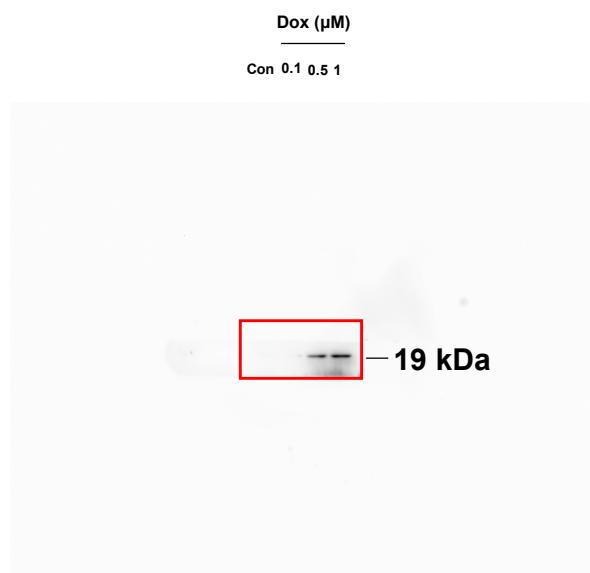


Supplementary Figure 2h

CASP-3 (35 kDa)



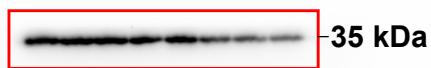
C-CASP-3 (19 kDa)



Supplementary Figure 2h

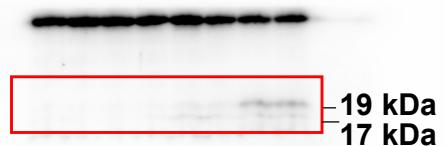
CASP-3 (35 kDa)

		Dox (μM)			
Con		0.1	0.5	1	
1	2	1	2	1	2



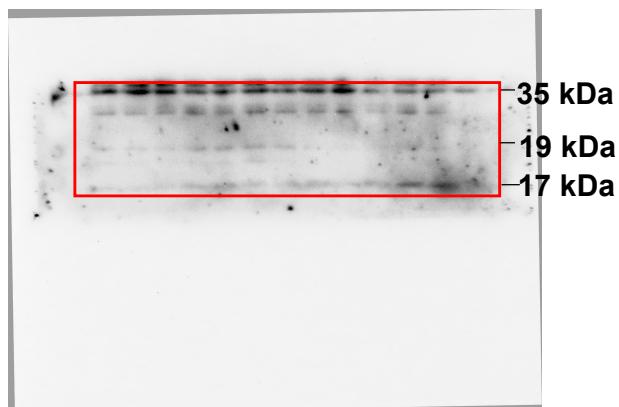
C-CASP-3 (19 kDa, 17kDa)

		Dox (μM)			
Con		0.1	0.5	1	
1	2	1	2	1	2



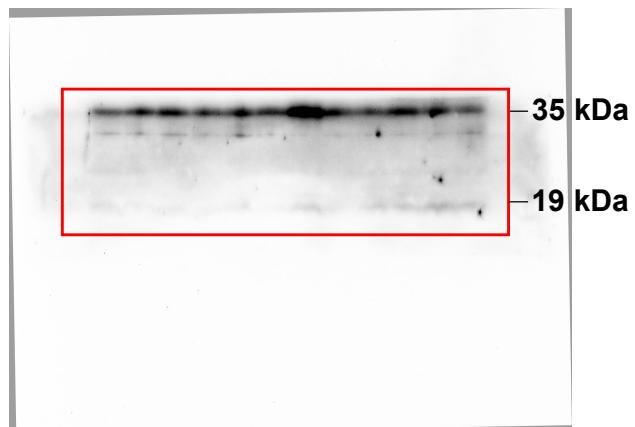
CASP-3 (35 kDa) and C-CASP-3 (19 and 17 kDa)

		Dox (μM)		
Con		0.1	0.5	1
1	2	1	2	3



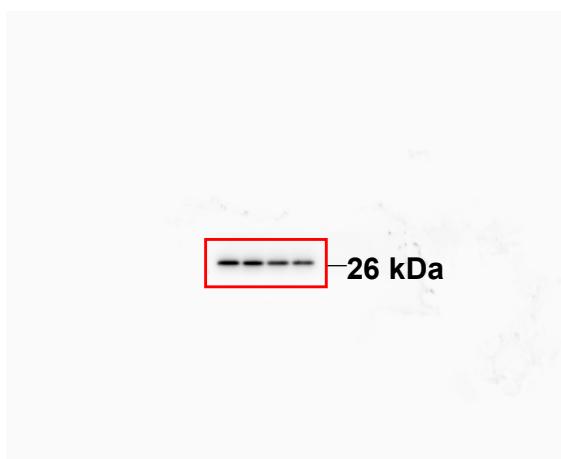
CASP-3 (35 kDa) and C-CASP-3 (19 and 17 kDa)

		Dox (μM)		
Con		0.1	0.5	1
1	2	1	2	3



BCL2 (26 kDa)

		Dox (μM)		
Con		0.1	0.5	1



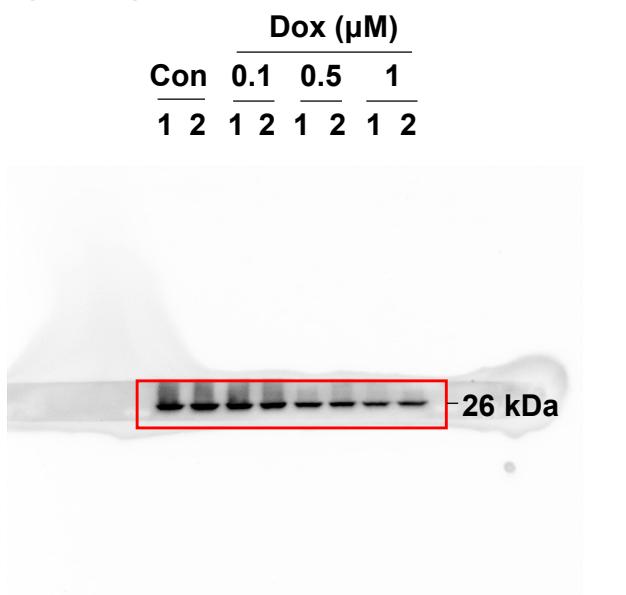
BAX (21 kDa)

		Dox (μM)		
Con		0.1	0.5	1

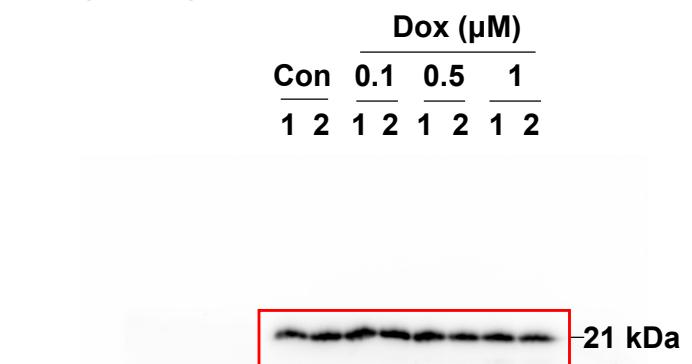


Supplementary Figure 2h

BCL2 (26 kDa)

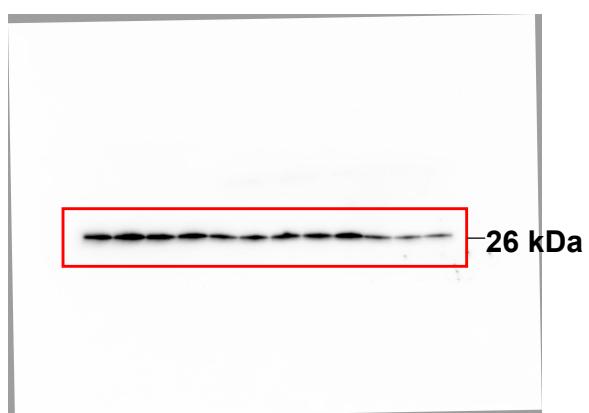


BAX (21 kDa)



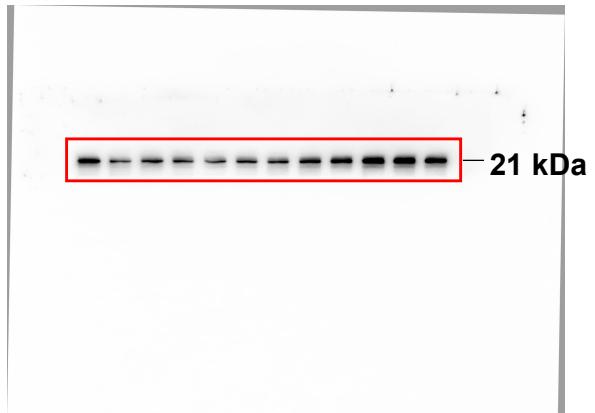
Dox (μM)

Con	0.1	0.5	1		
1	2	3	1	2	3



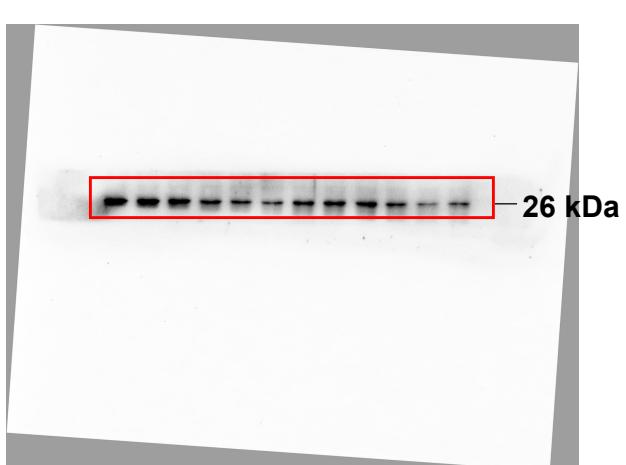
Dox (μM)

Con	0.1	0.5	1		
1	2	3	1	2	3



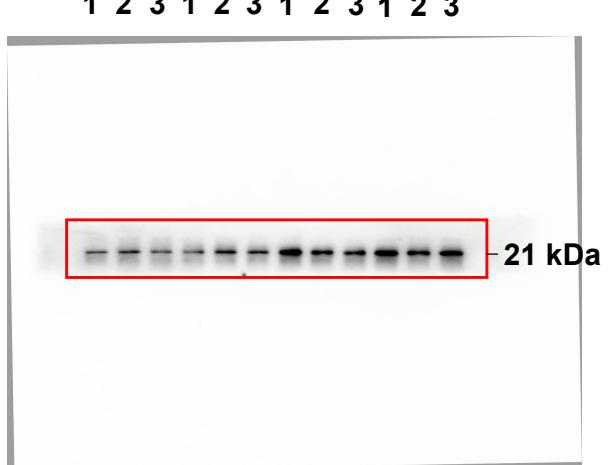
Dox (μM)

Con	0.1	0.5	1		
1	2	3	1	2	3



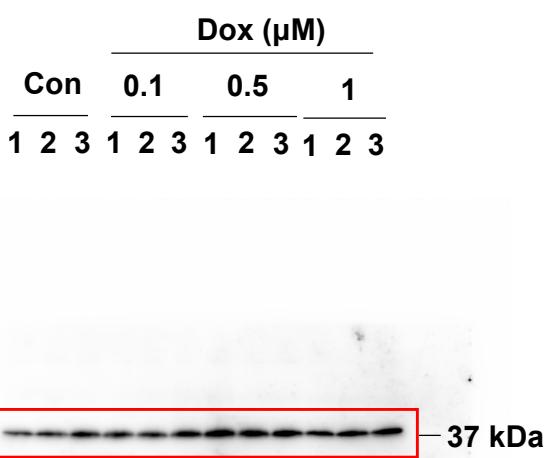
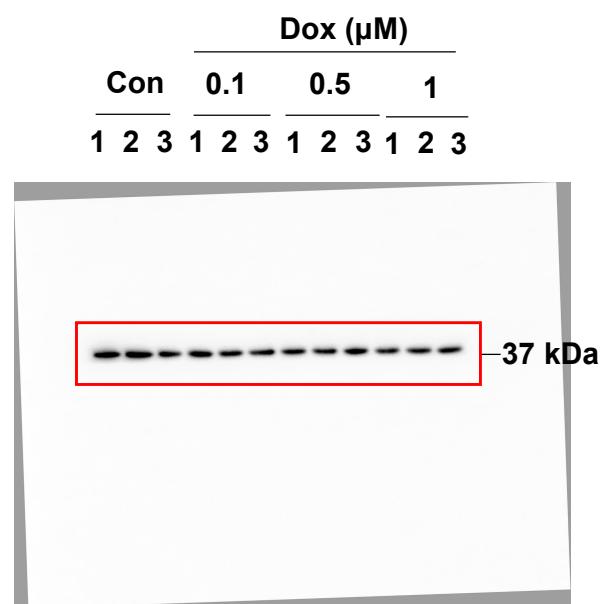
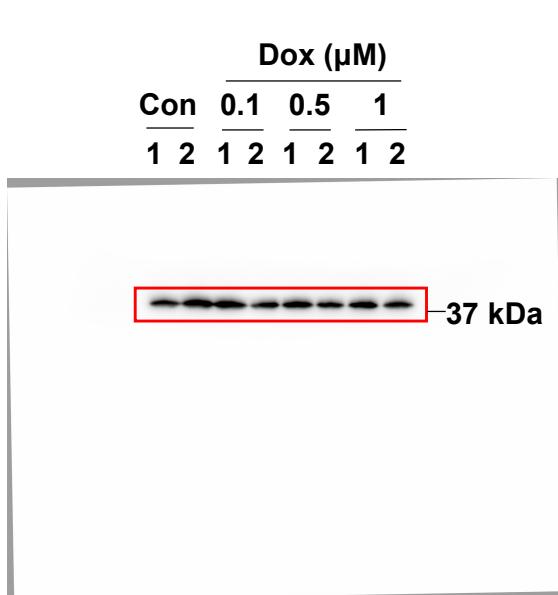
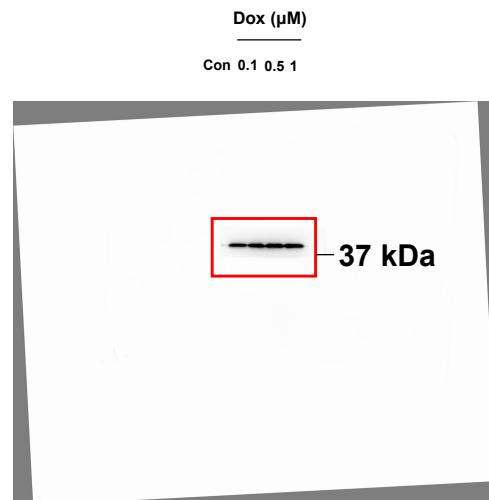
Dox (μM)

Con	0.1	0.5	1		
1	2	3	1	2	3



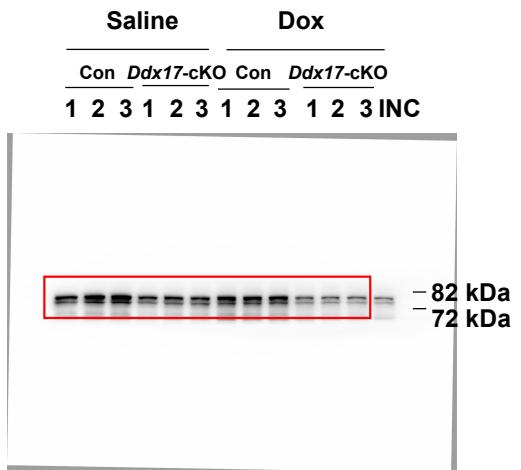
Supplementary Figure 2h

GAPDH (37 kDa)

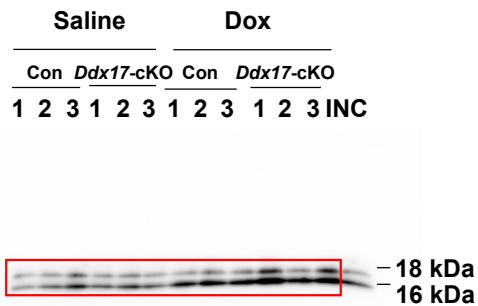


Supplementary Figure 5a

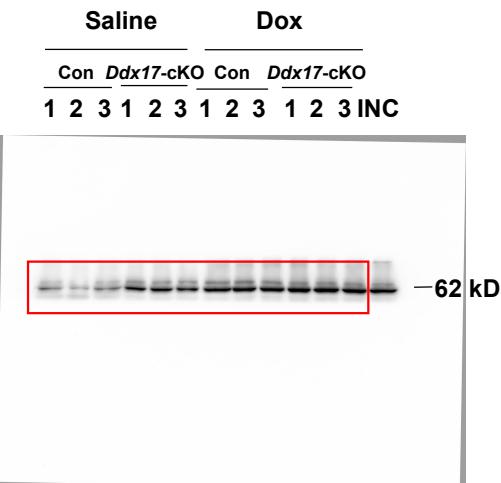
DDX17 (82 and 72 kDa)



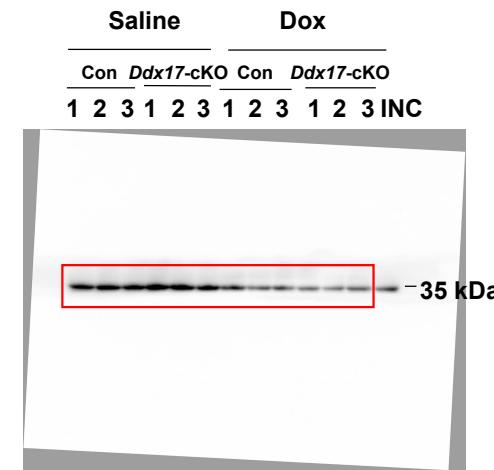
LC3B (18 and 16 kDa)



p62 (62 kDa)

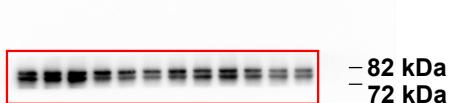


CASP-3 (35 kDa)



Saline **Dox**

Con	Ddx17-cKO	Con	Ddx17-cKO		
4	5	6	4	5	6



Saline **Dox**

Con	Ddx17-cKO	Con	Ddx17-cKO		
4	5	6	4	5	6



Saline **Dox**

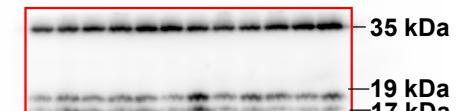
Con	Ddx17-cKO	Con	Ddx17-cKO		
4	5	6	4	5	6



CASP-3 (35 kDa) and c-CASP-3 (19 and 17 kDa)

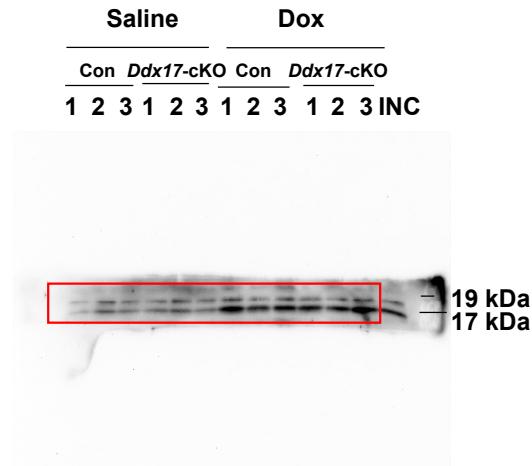
Saline **Dox**

Con	Ddx17-cKO	Con	Ddx17-cKO		
4	5	6	4	5	6

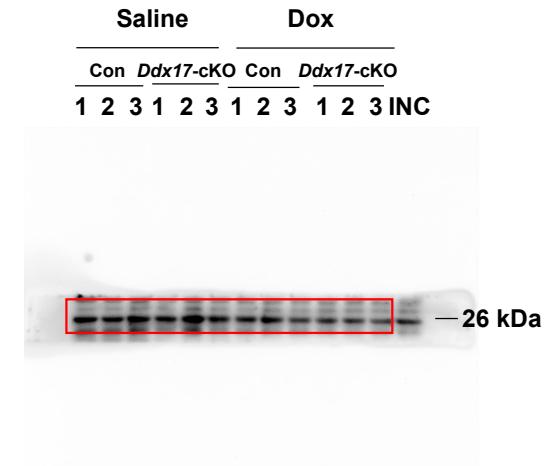


Supplementary Figure 5a

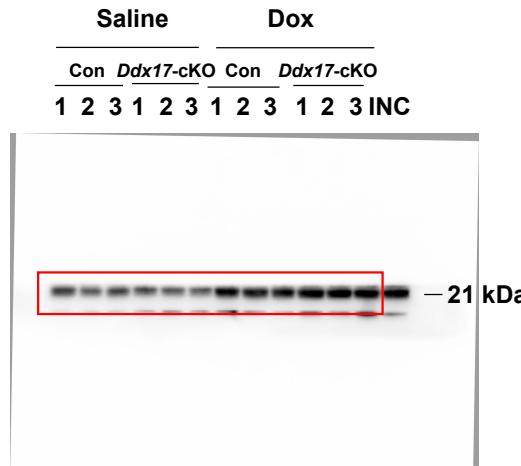
c-CASP-3 (19 and 17 kDa)



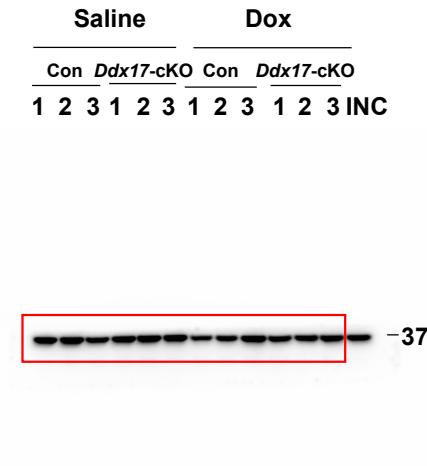
BCL2 (26 kDa)



BAX (21 kDa)

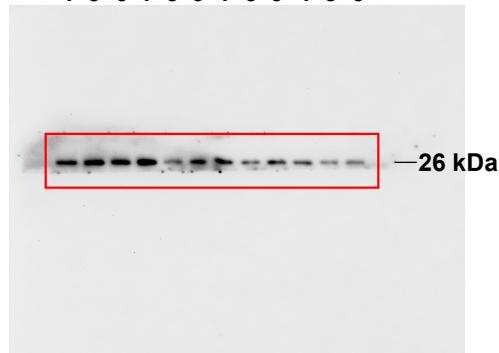


GAPDH (37 kDa)



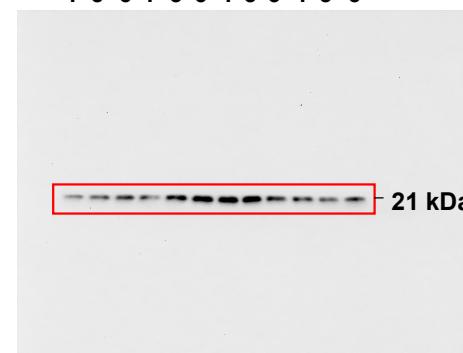
Saline Dox

Con	Ddx17-cKO	Con	Ddx17-cKO					
4	5	6	4	5	6	4	5	6



Saline Dox

Con	Ddx17-cKO	Con	Ddx17-cKO					
4	5	6	4	5	6	4	5	6



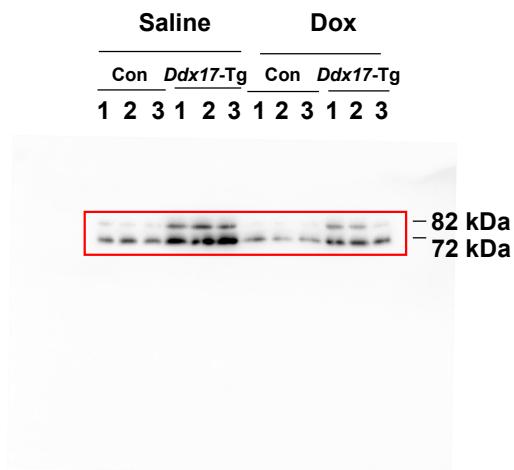
Saline Dox

Con	Ddx17-cKO	Con	Ddx17-cKO					
4	5	6	4	5	6	4	5	6

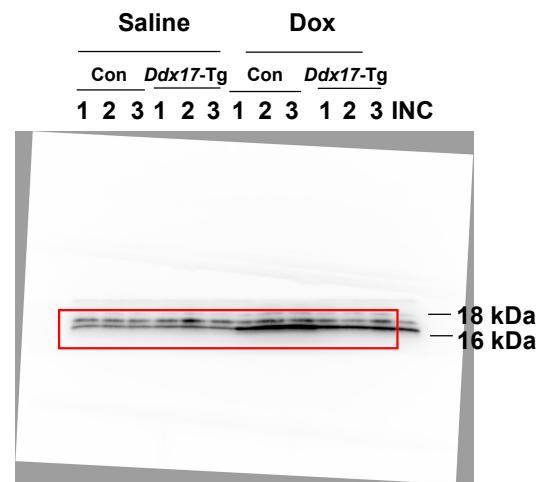


Supplementary Figure 5g

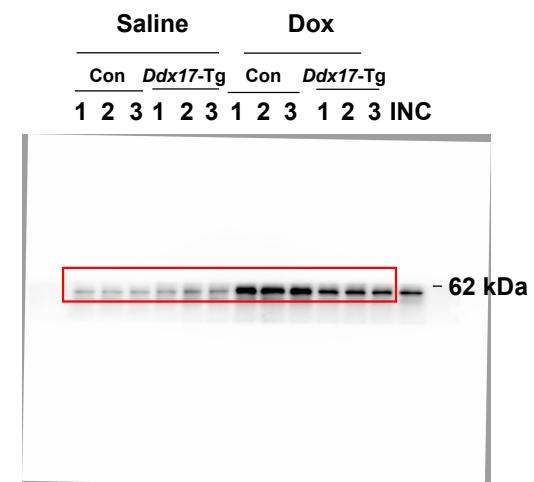
DDX17 (82 and 72 kDa)



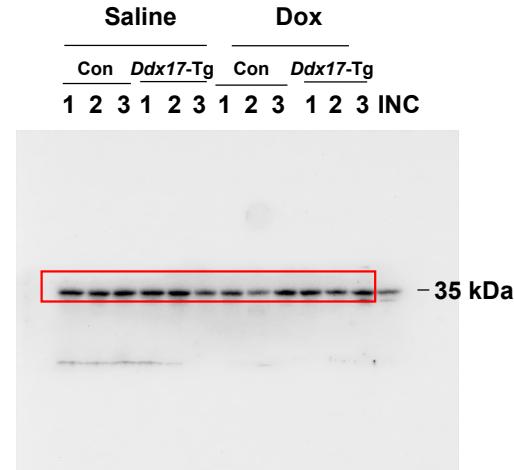
LC3B (18 and 16 kDa)



p62 (62 kDa)



CASP-3 (35 kDa)



Saline

Dox

Con Ddx17-Tg Con Ddx17-Tg

4 5 6 4 5 6 4 5 6 INC

— 82 kDa
— 72 kDa

Saline

Dox

Con Ddx17-Tg Con Ddx17-Tg

4 5 6 4 5 6 4 5 6

— 18 kDa
— 16 kDa

Saline

Dox

Con Ddx17-Tg Con Ddx17-Tg

4 5 6 4 5 6 4 5 6 INC

— 62 kDa

CASP-3 (35 kDa) and c-CASP-3 (19 and 17 kDa)

Saline		Dox							
Con	Ddx17-Tg	Con	Ddx17-Tg						
4	5	6	4	5	6	4	5	6	INC

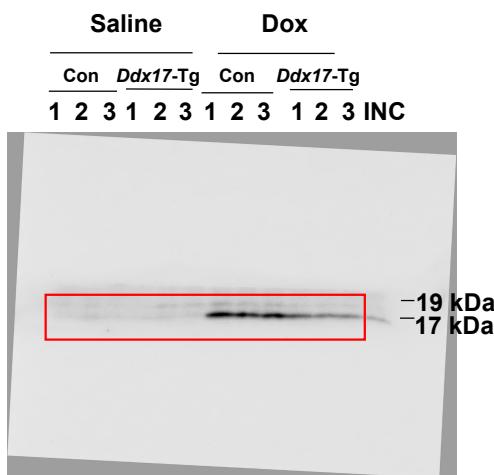
Con Ddx17-Tg Con Ddx17-Tg

4 5 6 4 5 6 4 5 6 INC

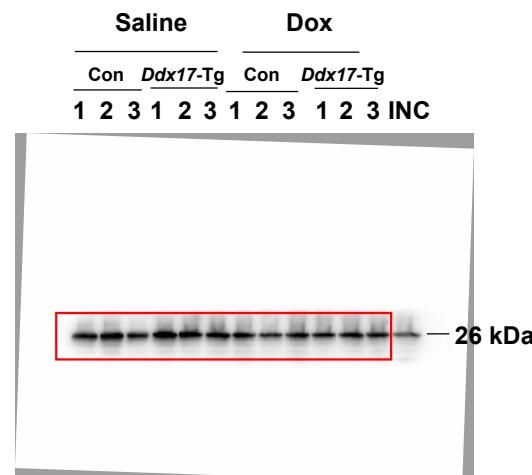
— 35 kDa
— 19 kDa
— 17 kDa

Supplementary Figure 5g

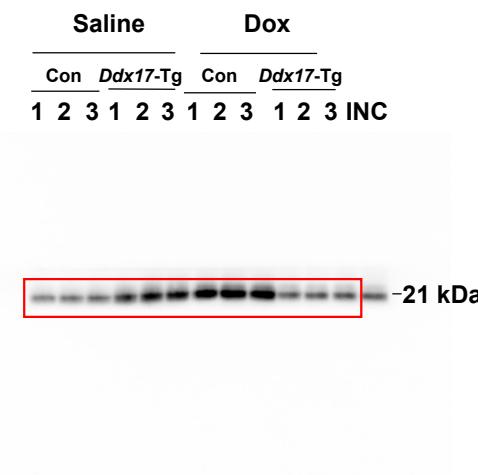
c-CASP-3 (19 and 17 kDa)



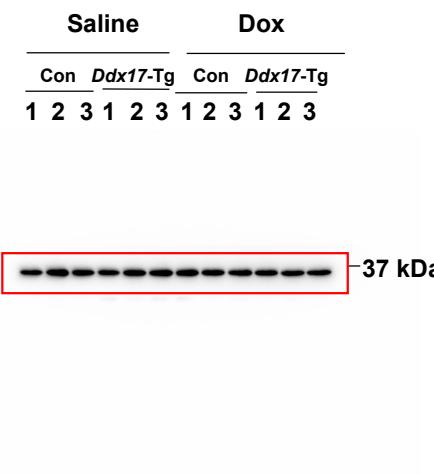
BCL2 (26 kDa)



BAX (21 kDa)



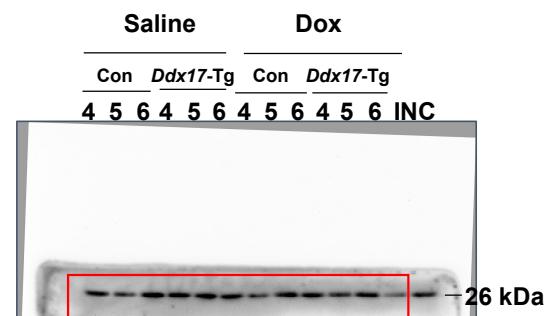
GAPDH (37 kDa)



Saline Dox

Con Ddx17-Tg Con Ddx17-Tg

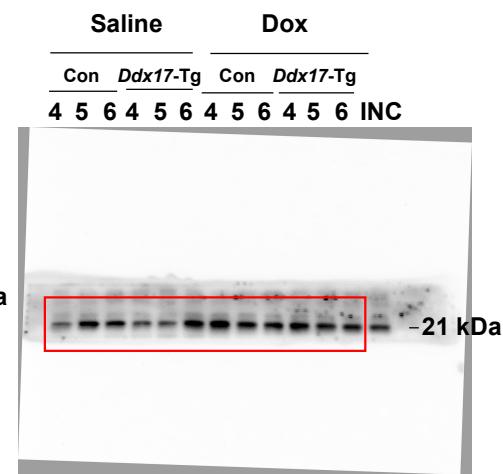
4 5 6 4 5 6 4 5 6 INC



Saline Dox

Con Ddx17-Tg Con Ddx17-Tg

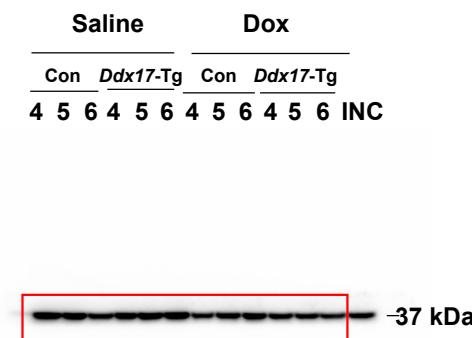
4 5 6 4 5 6 4 5 6 INC



Saline Dox

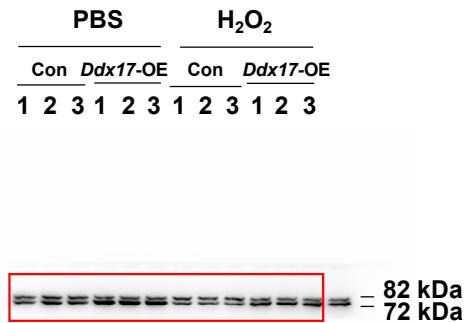
Con Ddx17-Tg Con Ddx17-Tg

4 5 6 4 5 6 4 5 6 INC

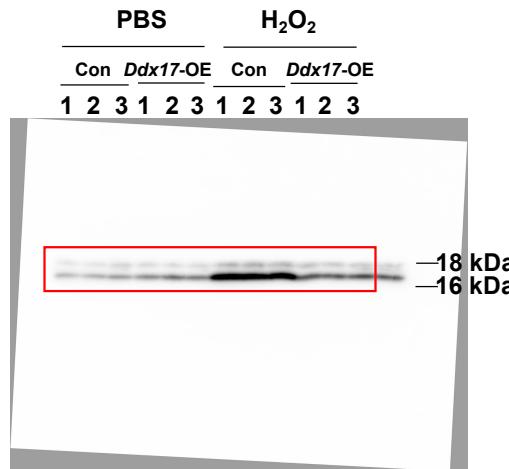


Supplementary Figure 6a

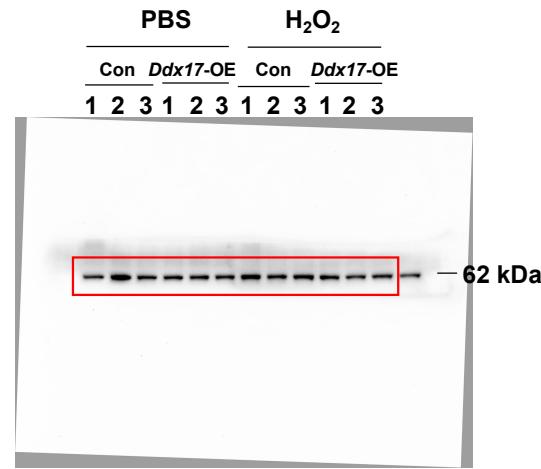
DDX17 (82 and 72 kDa)



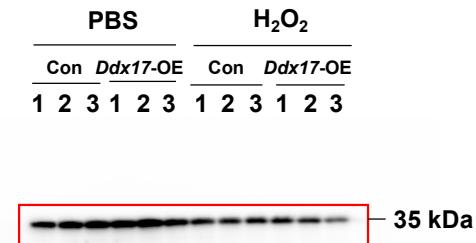
LC3B (18 and 16 kDa)



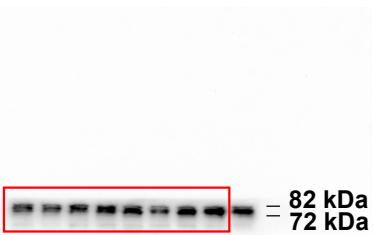
p62 (62 kDa)



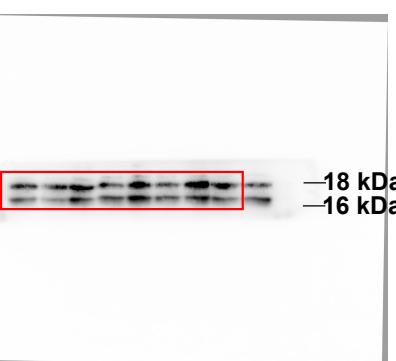
CASP-3 (35 kDa)



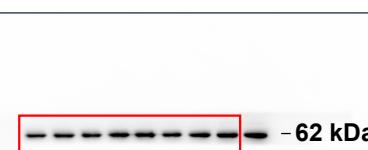
PBS H_2O_2



PBS H_2O_2

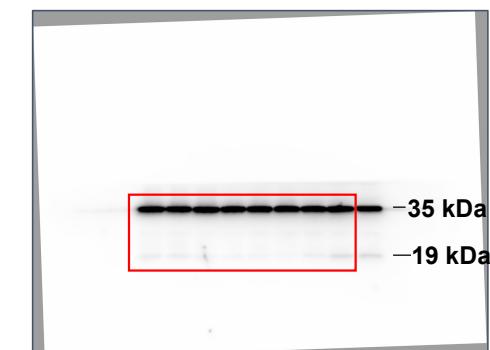


PBS H_2O_2



CASP-3 (35 kDa) and c-CASP (19 and 17 kDa)

PBS H_2O_2



Supplementary Figure 6a

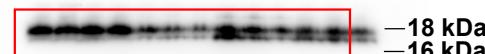
DDX17 (82 and 72 kDa)

PBS		H_2O_2						
Con	<i>Ddx17-OE</i>	Con	<i>Ddx17-OE</i>					
1	2	3	1	2	3	1	2	3



LC3B (18 and 16 kDa)

PBS		H_2O_2						
Con	<i>Ddx17-OE</i>	Con	<i>Ddx17-OE</i>					
1	2	3	1	2	3	1	2	3



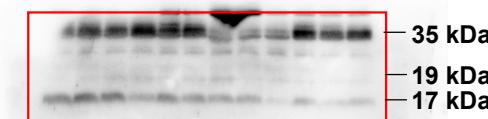
p62 (62 kDa)

PBS		H_2O_2						
Con	<i>Ddx17-OE</i>	Con	<i>Ddx17-OE</i>					
1	2	3	1	2	3	1	2	3



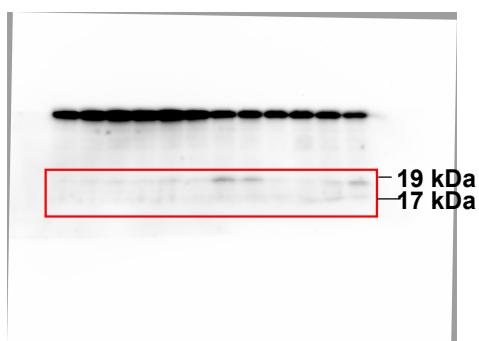
CASP-3 (35 kDa) and c-CASP (19 and 17 kDa)

PBS		H_2O_2						
Con	<i>Ddx17-OE</i>	Con	<i>Ddx17-OE</i>					
1	2	3	1	2	3	1	2	3



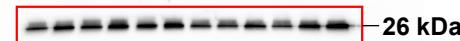
c-CASP-3 (19 and 17 kDa)

PBS		H_2O_2			
Con	<i>Ddx17-OE</i>	Con	<i>Ddx17-OE</i>		
1	2	3	1	2	3



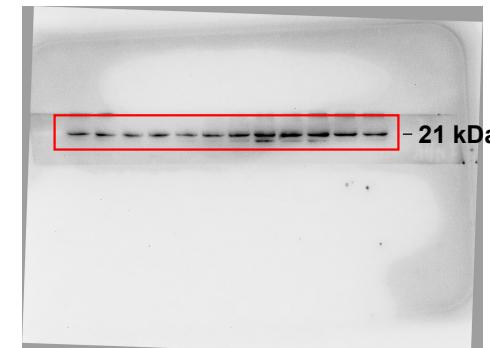
BCL2 (26 kDa)

PBS		H_2O_2			
Con	<i>Ddx17-OE</i>	Con	<i>Ddx17-OE</i>		
1	2	3	1	2	3



BAX (21 kDa)

PBS		H_2O_2			
Con	<i>Ddx17-OE</i>	Con	<i>Ddx17-OE</i>		
1	2	3	1	2	3



GAPDH (37 kDa)

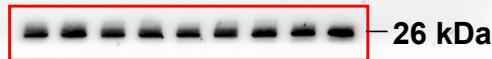
PBS		H_2O_2			
Con	<i>Ddx17-OE</i>	Con	<i>Ddx17-OE</i>		
1	2	3	1	2	3



Supplementary Figure 6a

BCL2 (26 kDa)

PBS		H_2O_2	
Con	<i>Ddx17-OE</i>	Con	<i>Ddx17-OE</i>
1	2	1	2
1	2	1	2

 26 kDa

BAX (21 kDa)

PBS		H_2O_2	
Con	<i>Ddx17-OE</i>	Con	<i>Ddx17-OE</i>
1	2	1	2
1	2	1	2

 21 kDa

GAPDH (37 kDa)

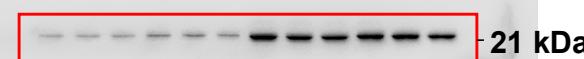
PBS		H_2O_2	
Con	<i>Ddx17-OE</i>	Con	<i>Ddx17-OE</i>
1	2	1	2
1	2	1	2

 37 kDa

PBS		H_2O_2	
Con	<i>Ddx17-OE</i>	Con	<i>Ddx17-OE</i>
1	2	3	1
1	2	3	1

 26 kDa

PBS		H_2O_2	
Con	<i>Ddx17-OE</i>	Con	<i>Ddx17-OE</i>
1	2	3	1
1	2	3	1

 21 kDa

PBS		H_2O_2	
Con	<i>Ddx17-OE</i>	Con	<i>Ddx17-OE</i>
1	2	3	1
1	2	3	1

 37 kDa

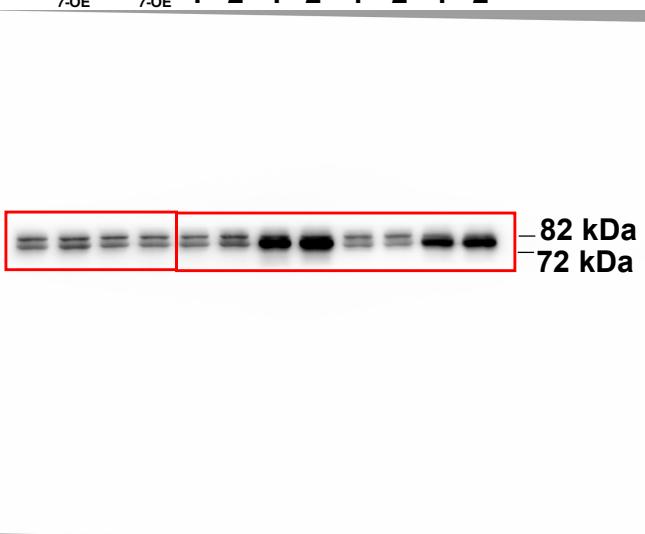
Supplementary Figure 6g

DDX17 (82 and 72 kDa)

Normoxia

Hypoxia

Normoxia		Hypoxia		Normoxia		Hypoxia	
Con	Ddx17-OE	Con	Ddx17-OE	Con	Ddx17-OE	Con	Ddx17-OE
Con Ddx1 7-OE	Con Ddx1 7-OE	1	2	1	2	1	2



Normoxia

Hypoxia

Normoxia		Hypoxia	
Con	Ddx17-OE	Con	Ddx17-OE
1	2	1	2

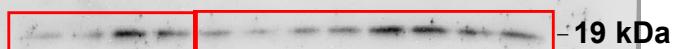


c-CASP-3 (19 and 17 kDa)

Normoxia

Hypoxia

Normoxia		Hypoxia		Normoxia		Hypoxia	
Con	Ddx1 7-OE	Con	Ddx1 7-OE	Con	Ddx1 7-OE	Con	Ddx1 7-OE
Con Ddx1 7-OE	Con Ddx1 7-OE	1	2	1	2	1	2



CASP-3 (35 kDa)

Normoxia

Hypoxia

Normoxia		Hypoxia		Normoxia		Hypoxia	
Con	Ddx17-OE	Con	Ddx17-OE	Con	Ddx17-OE	Con	Ddx17-OE
Con Ddx1 7-OE	Con Ddx1 7-OE	1	2	1	2	1	2



Normoxia

Hypoxia

Normoxia		Hypoxia	
Con	Ddx17-OE	Con	Ddx17-OE
1	2	1	2



BCL2 (26 kDa)

Normoxia

Hypoxia

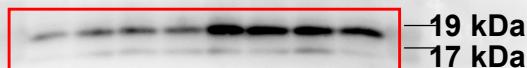
Normoxia		Hypoxia	
Con	Ddx17-OE	Con	Ddx17-OE
Con Ddx1 7-OE	Con Ddx1 7-OE	1	2



Supplementary Figure 6g

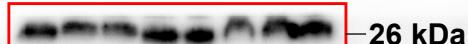
c-CASP-3 (19 and 17 kDa)

Normoxia		Hypoxia	
Con	Ddx17-OE	Con	Ddx17-OE
1	2	1	2
1	2	1	2



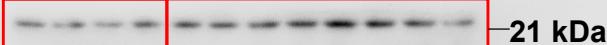
BCL2 (26 kDa)

Normoxia		Hypoxia	
Con	Ddx17-OE	Con	Ddx17-OE
1	2	1	2
1	2	1	2



BAX (21 kDa)

Normoxia		Hypoxia	
Normoxia	Hypoxia	Con	Ddx17-OE
Con	Ddx17-7-OE	Con	Ddx17-7-OE
1	2	1	2

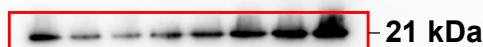


GAPDH (37 kDa)

Normoxia		Hypoxia	
Normoxia	Hypoxia	Con	Ddx17-OE
Con	Ddx17-7-OE	Con	Ddx17-7-OE
1	2	1	2



Normoxia		Hypoxia	
Con	Ddx17-OE	Con	Ddx17-OE
1	2	1	2
1	2	1	2



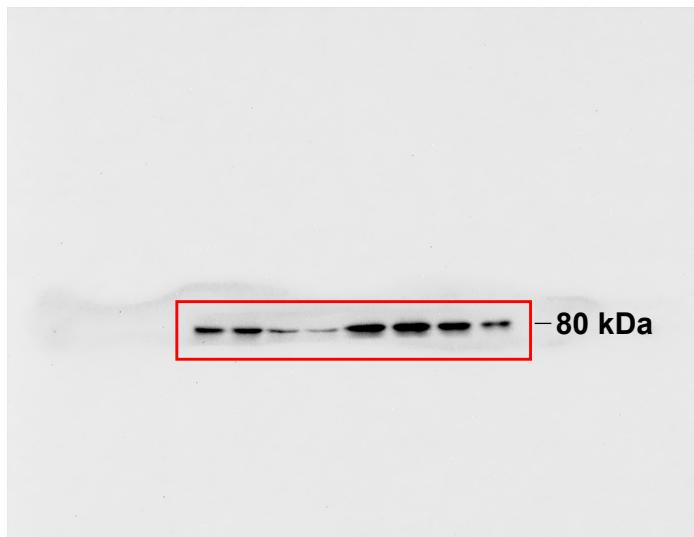
Normoxia		Hypoxia	
Con	Ddx17-OE	Con	Ddx17-OE
1	2	1	2
1	2	1	2



Supplementary Figure 7g

DRP1 (80 kDa)

Normoxia		Hypoxia	
Con	Ddx17-OE	Con	Ddx17-OE
1	2	1	2



MFN1 (86 kDa)

Normoxia		Hypoxia	
Con	Ddx17-OE	Con	Ddx17-OE
1	2	1	2



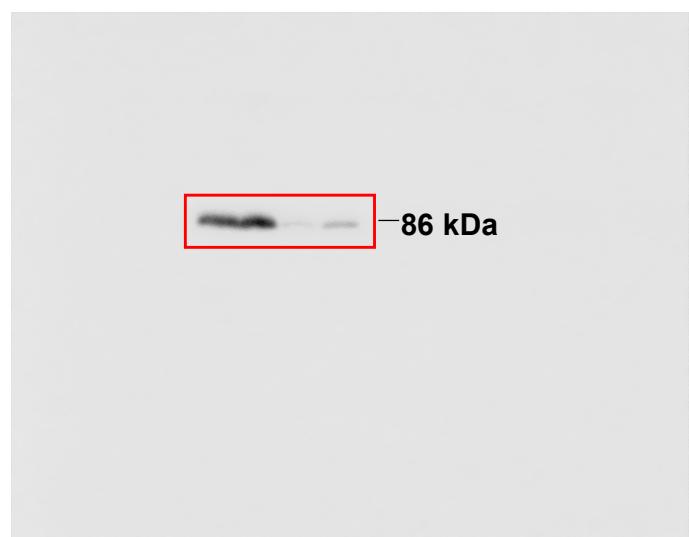
Normoxia Hypoxia

Con	Ddx17-	Con	Ddx17-OE
	OE		



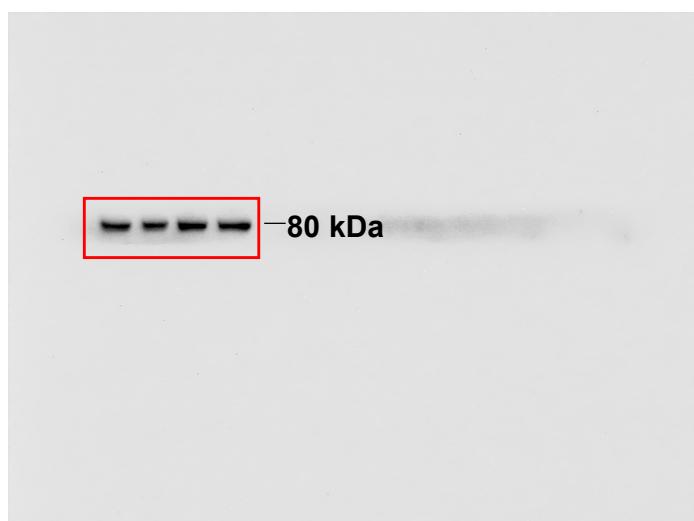
Normoxia Hypoxia

Con	Ddx17-	Con	Ddx17-OE
	OE		



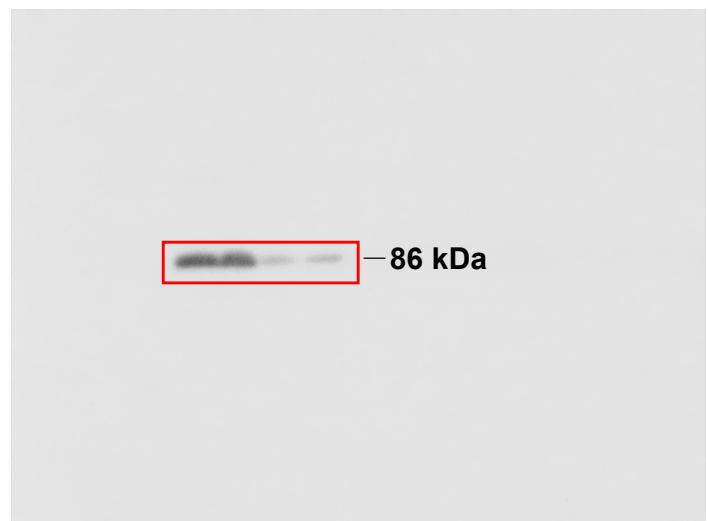
Normoxia Hypoxia

Con	Ddx17-	Con	Ddx17-OE
	OE		



Normoxia Hypoxia

Con	Ddx17-	Con	Ddx17-OE
	OE		



Supplementary Figure 7g

MFN2 (80 kDa)

Normoxia		Hypoxia	
Con	Ddx17-OE	Con	Ddx17-OE
1	2	1	2

GAPDH (37 kDa)

Normoxia		Hypoxia	
Con	Ddx17-OE	Con	Ddx17-OE
1	2	1	2

80 kDa

37 kDa

Normoxia Hypoxia

Con	Ddx17- 7-OE	Con	Ddx17-OE
-----	----------------	-----	----------

80 kDa

37 kDa

Normoxia Hypoxia

Con	Ddx17- 7-OE	Con	Ddx17-OE
-----	----------------	-----	----------

Normoxia Hypoxia

Con	Ddx17- OE	Con	Ddx17-OE
-----	--------------	-----	----------

80 kDa

37 kDa

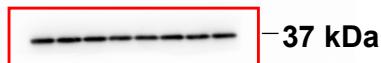
Normoxia Hypoxia

Con	Ddx17- OE	Con	Ddx17-OE
-----	--------------	-----	----------

Supplementary Figure 7g

GAPDH (37 kDa)

Normoxia		Hypoxia	
Con	Ddx17-OE	Con	Ddx17-OE
1	2	1	2
1	2	1	2



Normoxia		Hypoxia	
Con	Ddx17-OE	Con	Ddx17-OE
1	2	1	2
1	2	1	2



Supplementary Figure 7k

DRP1 (80 kDa)

PBS		H_2O_2	
Con	Ddx17-OE	Con	Ddx17-OE



MFN1 (86 kDa)

PBS		H_2O_2	
Con	Ddx17-OE	Con	Ddx17-OE



Normoxia Hypoxia

Con	Ddx17-OE	Con	Ddx17-OE
1	2	1	2



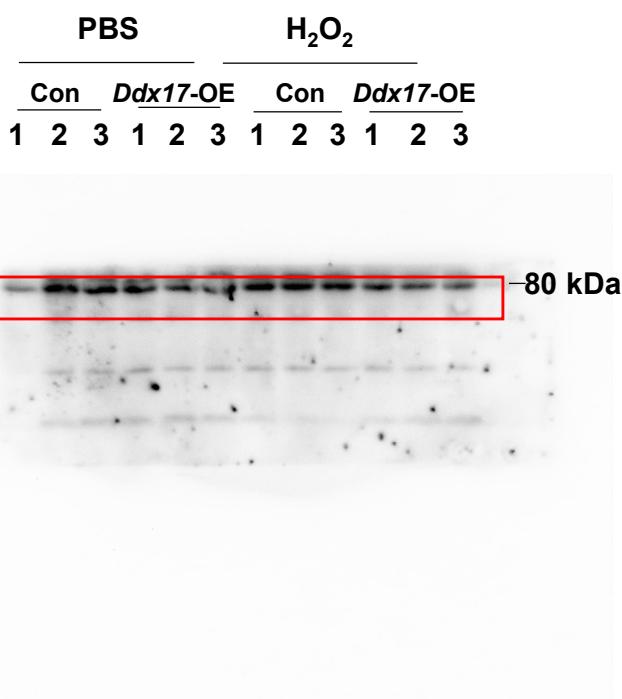
Normoxia Hypoxia

Con	Ddx17-OE	Con	Ddx17-OE
1	2	1	2

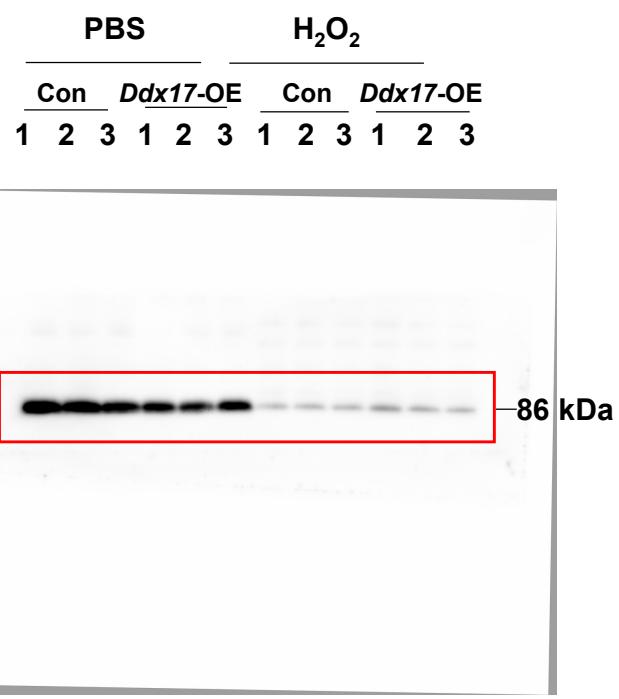


Supplementary Figure 7k

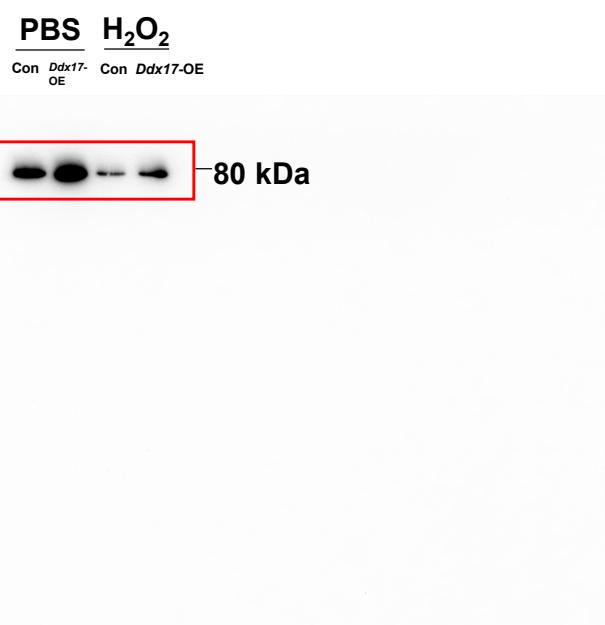
DRP1 (80 kDa)



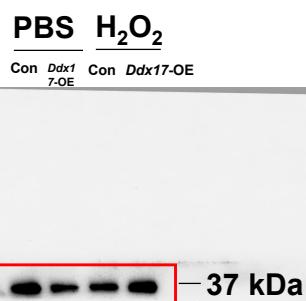
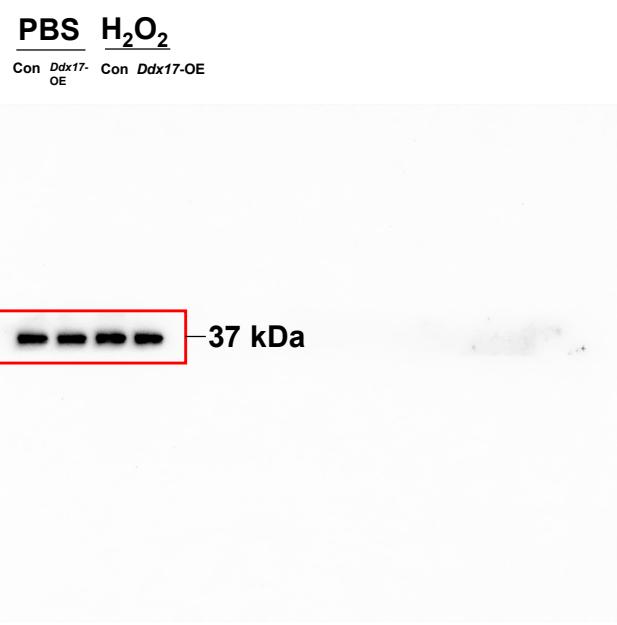
MFN1 (86 kDa)



MFN2 (80 kDa)



GAPDH (37 kDa)



Supplementary Figure 7k

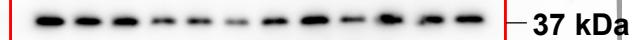
MFN2 (80 kDa)

PBS			H_2O_2		
Con		<i>Ddx17-OE</i>	Con		<i>Ddx17-OE</i>
1	2	3	1	2	3



GAPDH (37 kDa)

PBS			H_2O_2		
Con		<i>Ddx17-OE</i>	Con		<i>Ddx17-OE</i>
1	2	3	1	2	3



GAPDH (37 kDa)

PBS H_2O_2

Con OE Con OE

37 kDa

PBS H_2O_2

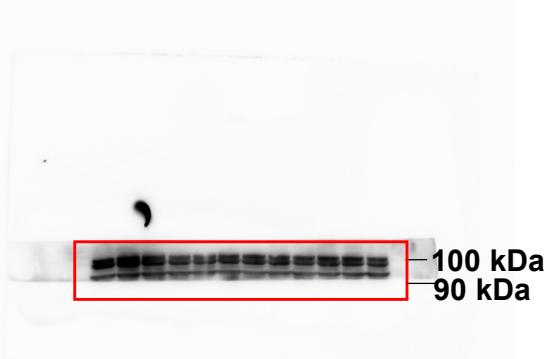
Con OE Con OE

37 kDa

Supplementary Figure 7o

OPA1 (80-100 kDa)

Con		<i>Ddx17-cKO</i>			
1	2	3	4	5	6



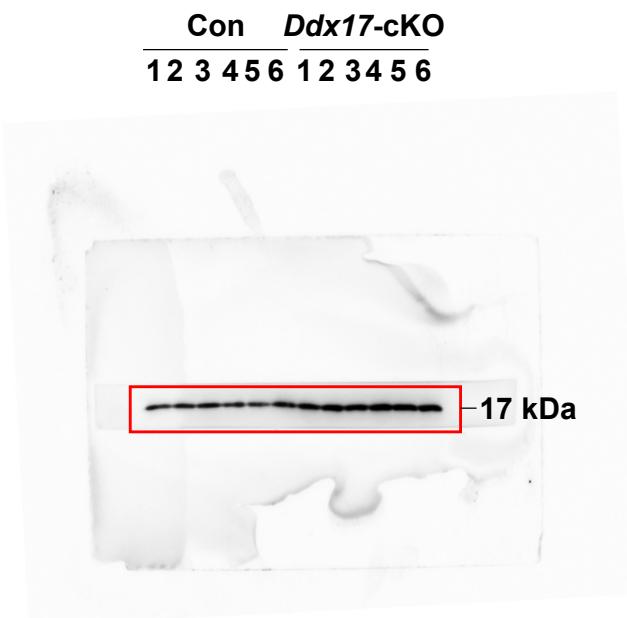
MFF (35 and 38 kDa)

Con		<i>Ddx17-cKO</i>			
1	2	3	4	5	6

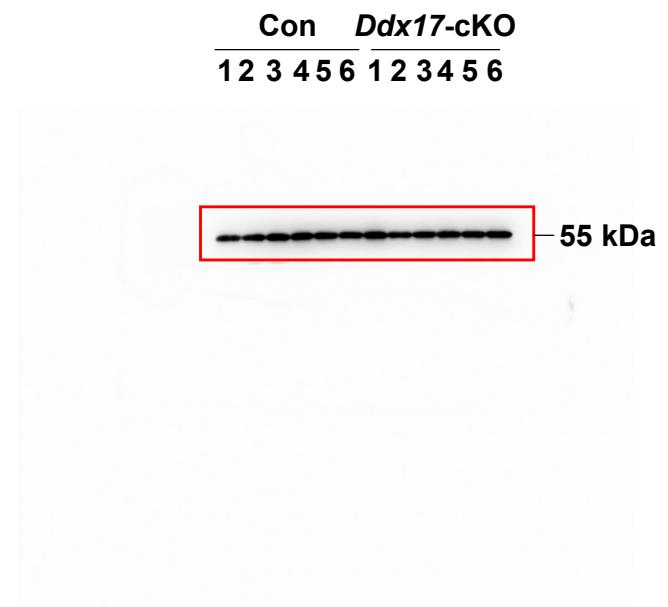


Supplementary Figure 7o

FIS1 (17 kDa)

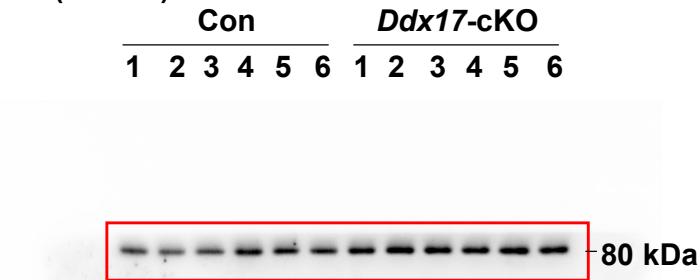


Tubulin (55 kDa)

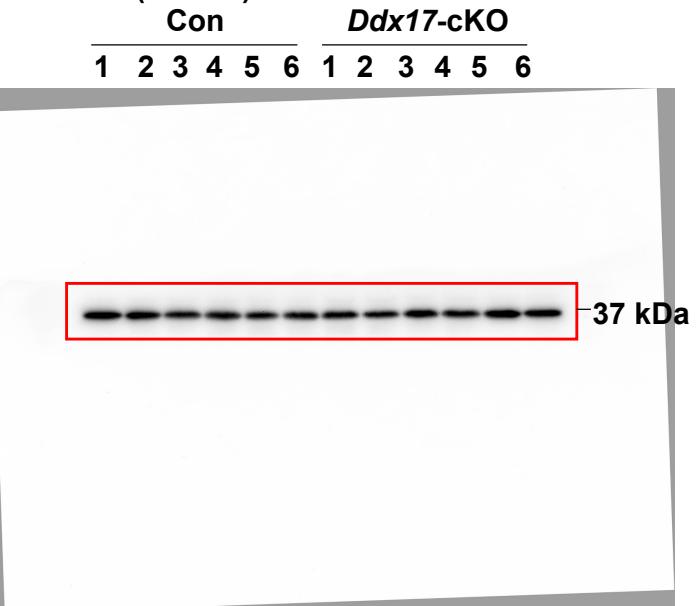


Supplementary Figure 8c

DRP1 (80 kDa)

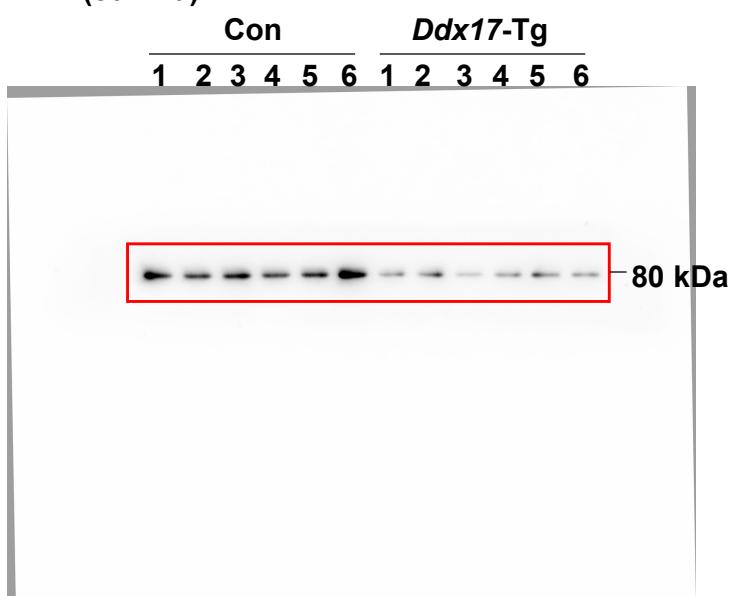


GAPDH (37 kDa)



Supplementary Figure 8e

DRP1 (80 kDa)



GAPDH (37 kDa)

