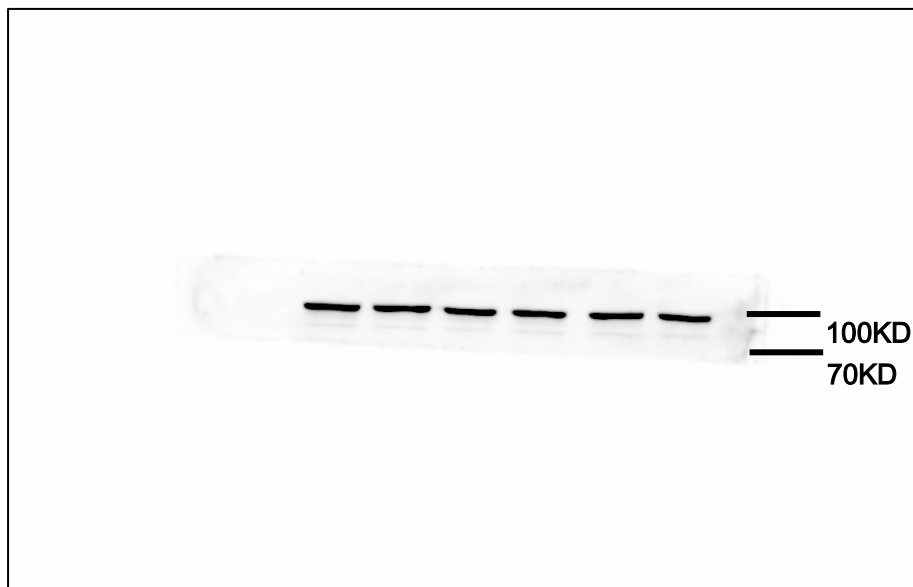
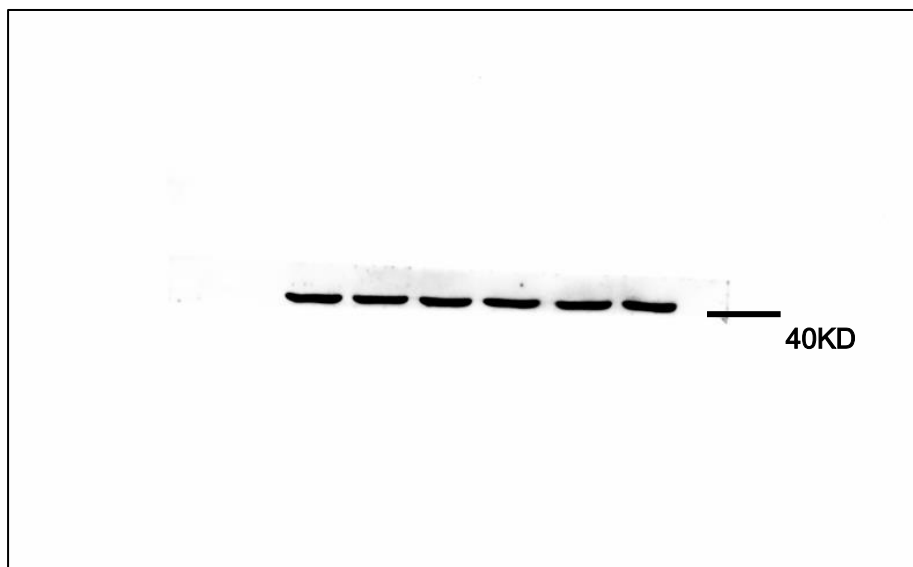


Figure 1G

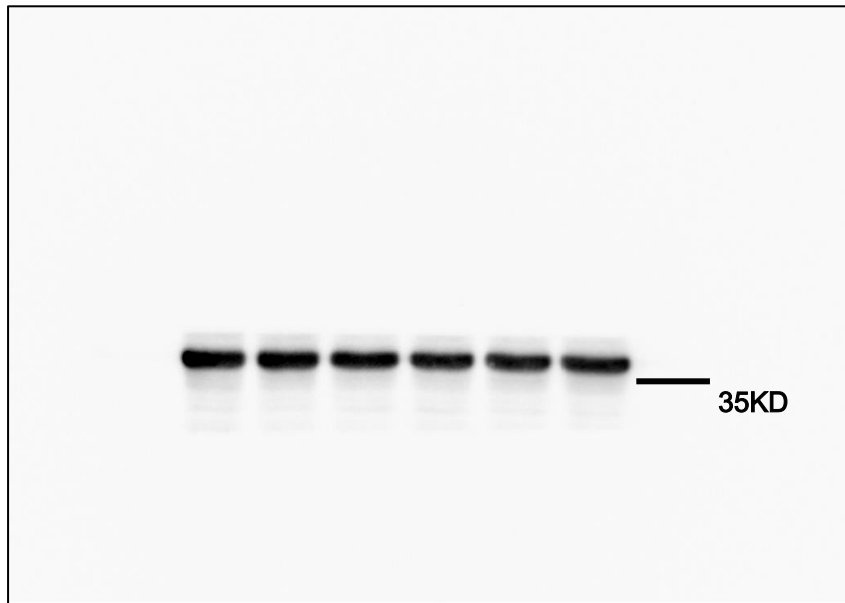
From left to right: $Cp^{fl/fl}$ 1, $Cp^{fl/fl}$ 2, $Cp^{fl/fl}$ 3, $Cp^{Gfap}cKO$ 1, $Cp^{Gfap}cKO$ 2, $Cp^{Gfap}cKO$ 3
PSD95



β -actin



SYN



β -actin

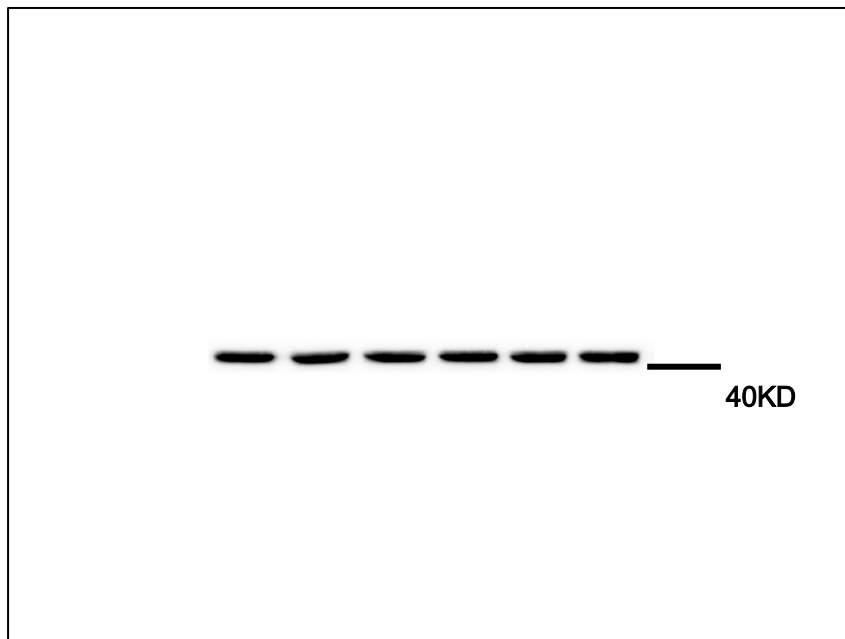
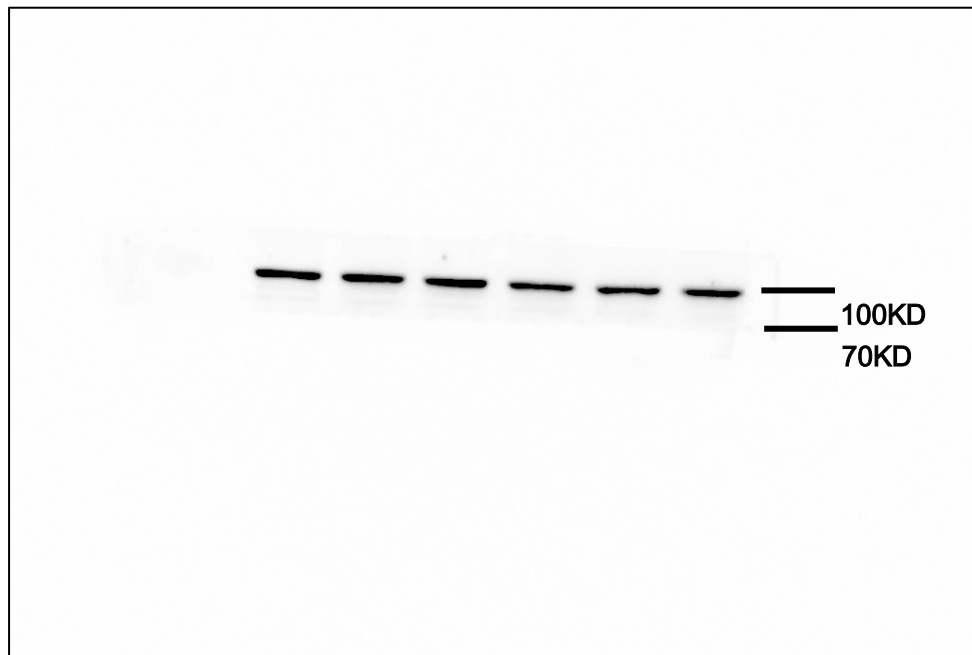
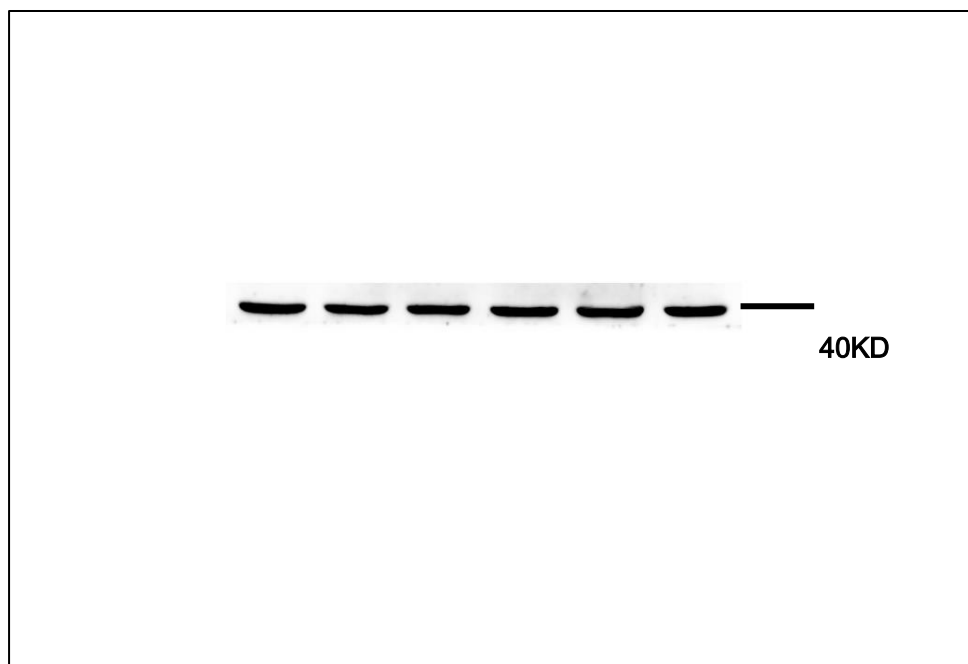


Figure 1I

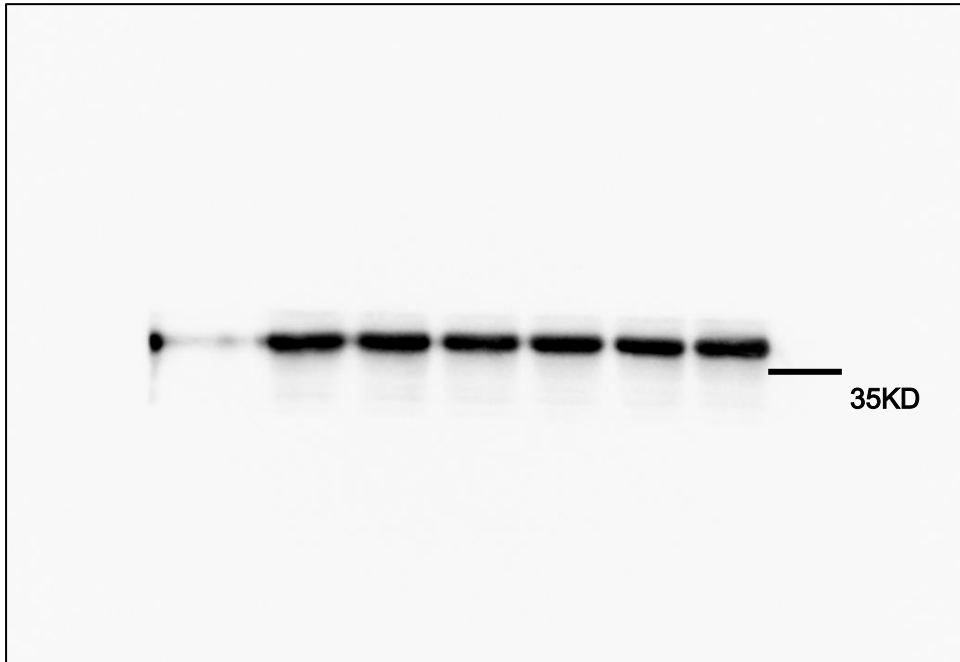
From left to right: $Cp^{fl/fl}$ 1, $Cp^{fl/fl}$ 2, $Cp^{fl/fl}$ 3, $Cp^{Gfap}cKO$ 1, $Cp^{Gfap}cKO$ 2, $Cp^{Gfap}cKO$ 3
PSD95



β -actin



SYN



β -actin

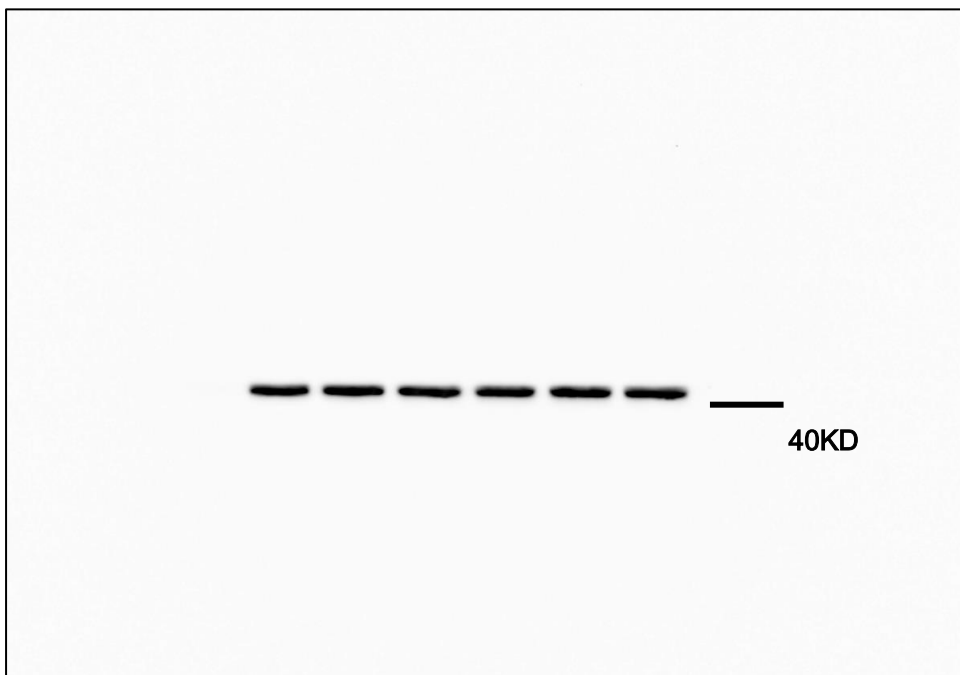
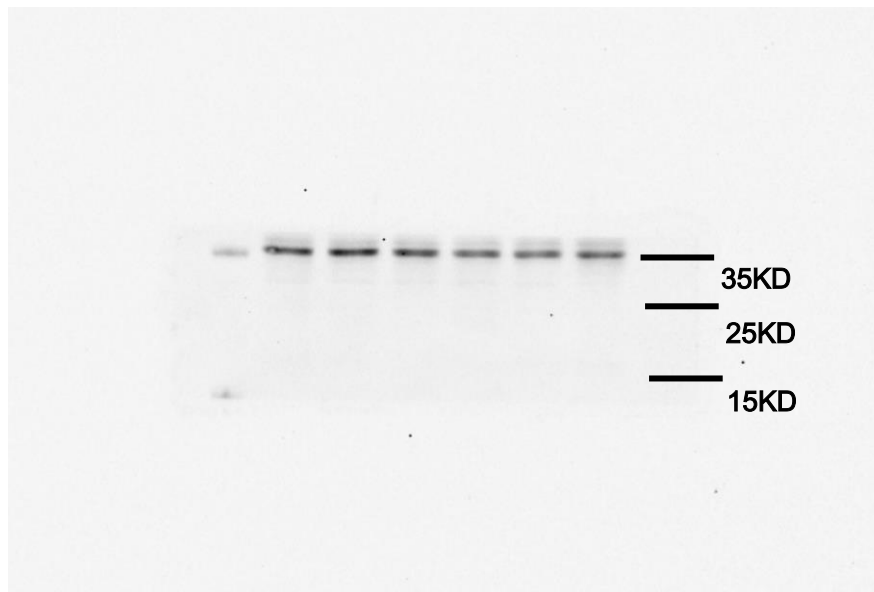
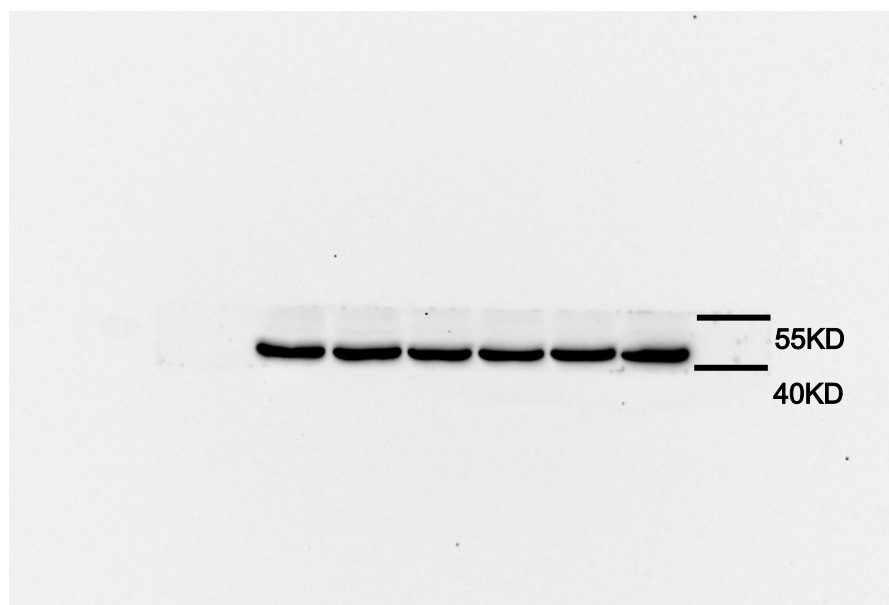


Figure 2A

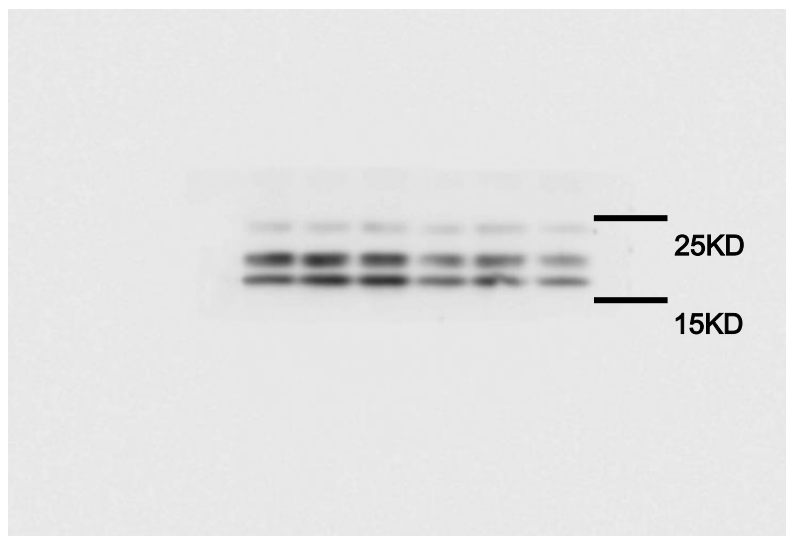
From left to right: $Cp^{fl/fl}$ 1, $Cp^{fl/fl}$ 2, $Cp^{fl/fl}$ 3, $Cp^{Gfap}cKO$ 1, $Cp^{Gfap}cKO$ 2, $Cp^{Gfap}cKO$ 3
GALc



β -actin



MBP



β -actin

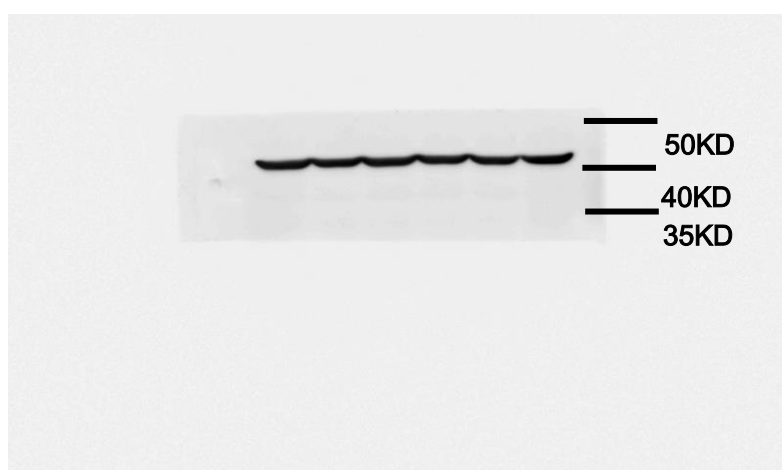
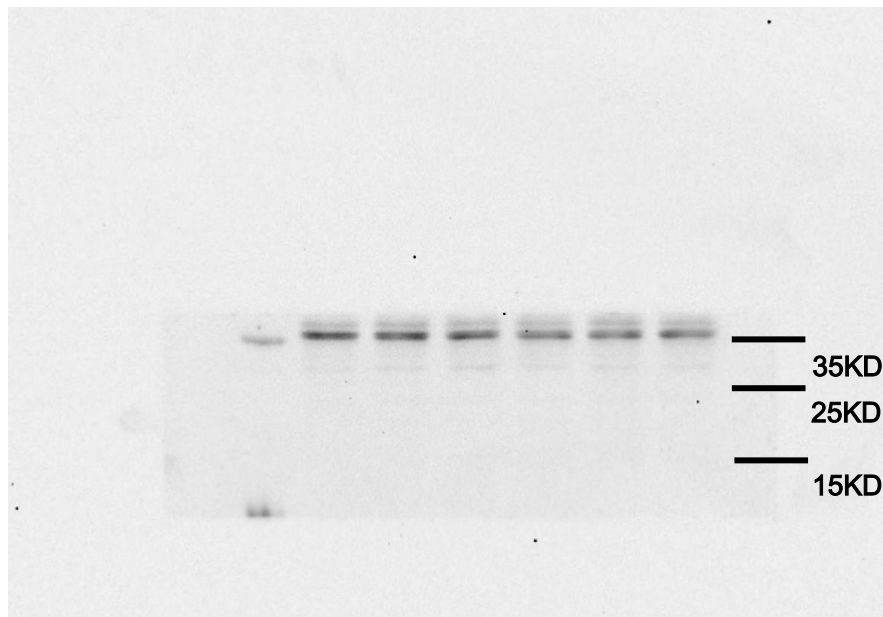
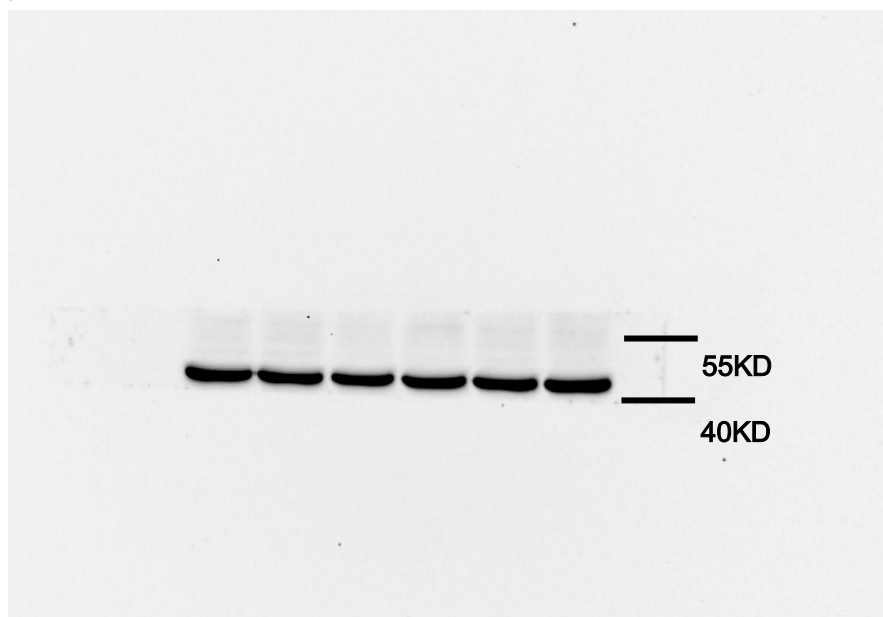


Figure 2C

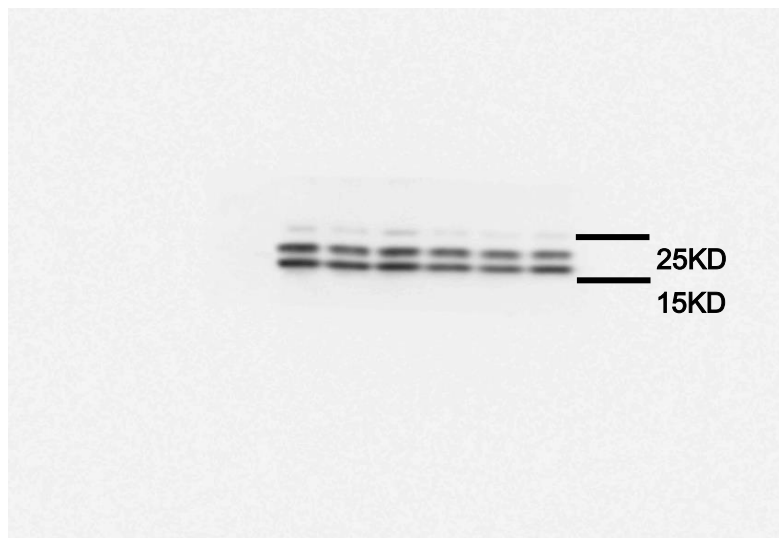
From left to right: $Cp^{fl/fl}$ 1, $Cp^{fl/fl}$ 2, $Cp^{fl/fl}$ 3, $Cp^{Gfap}cKO$ 1, $Cp^{Gfap}cKO$ 2, $Cp^{Gfap}cKO$ 3
GALc



β -actin



MBP



β -actin

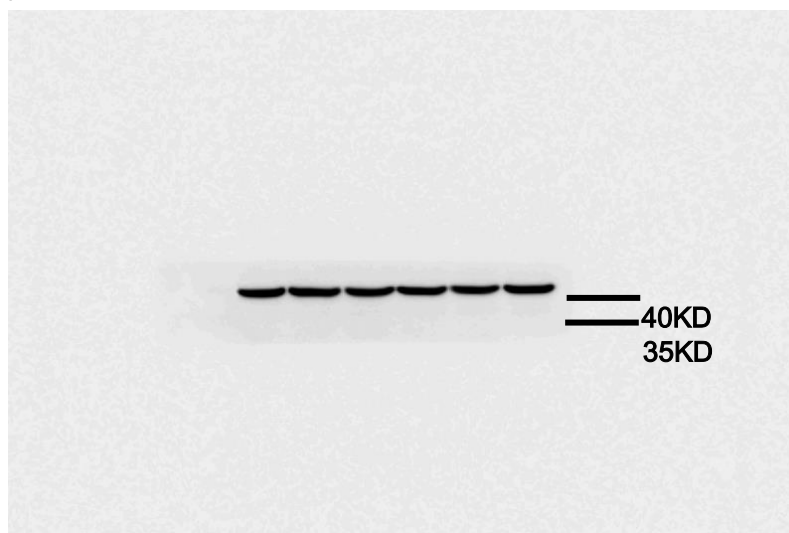
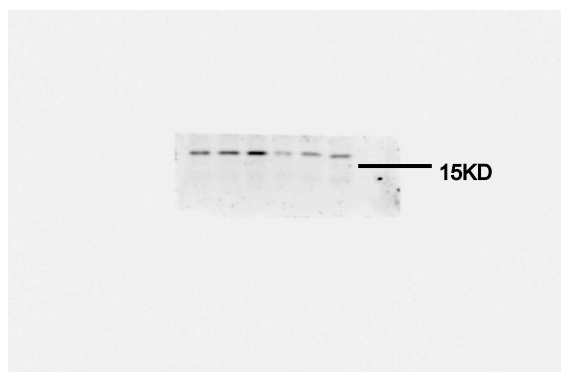


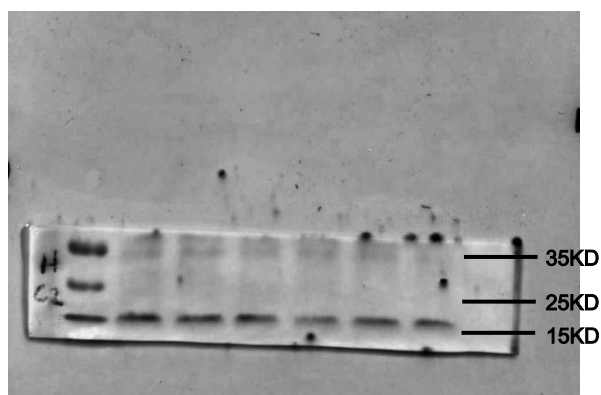
Figure 3A From left to right: $Cp^{fl/fl}$ 1, $Cp^{fl/fl}$ 2, $Cp^{fl/fl}$ 3, $Cp^{Gfap}cKO$ 1, $Cp^{Gfap}cKO$ 2, $Cp^{Gfap}cKO$ 3
L-ferritin



β -actin



H-ferritin



β -actin

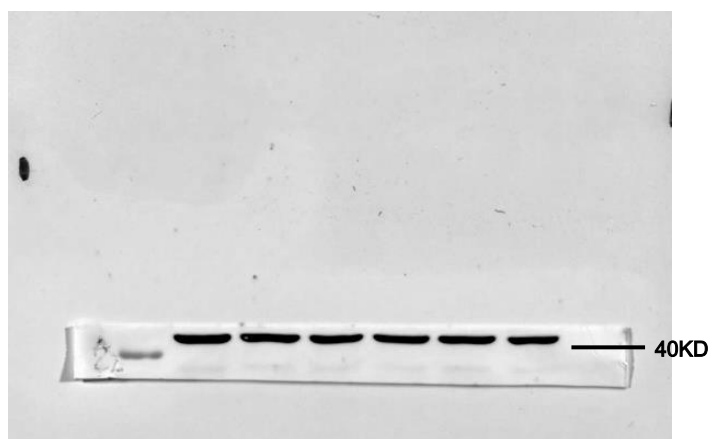
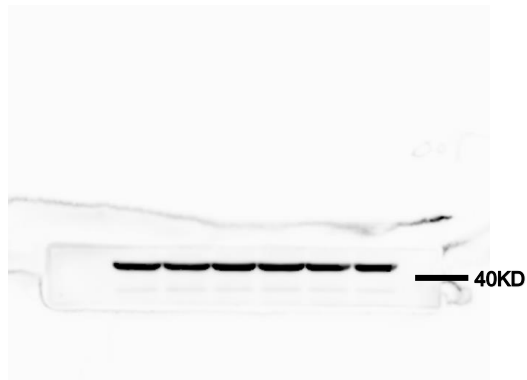


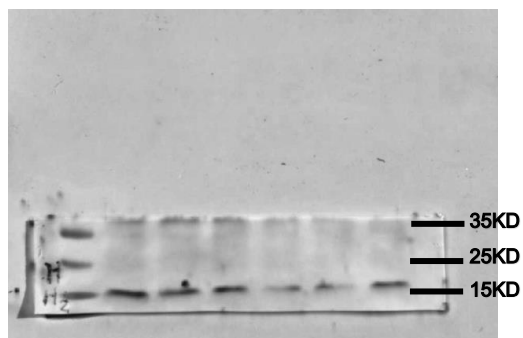
Figure 3C From left to right: $Cp^{fl/fl}$ 1, $Cp^{fl/fl}$ 2, $Cp^{fl/fl}$ 3, $Cp^{Gfap}cKO$ 1, $Cp^{Gfap}cKO$ 2, $Cp^{Gfap}cKO$ 3
L-ferritin



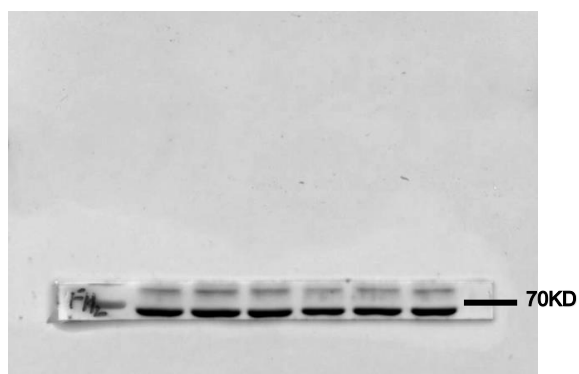
β -actin



H-ferritin



FPN1



β -actin

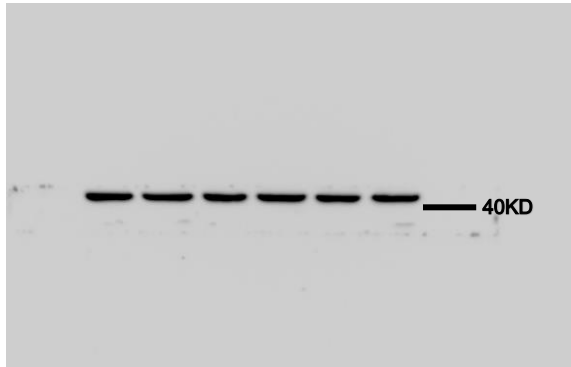
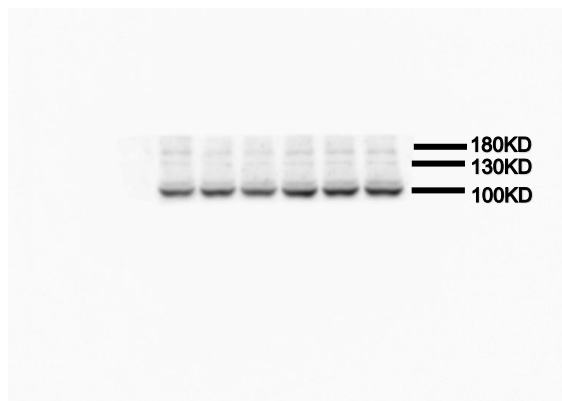
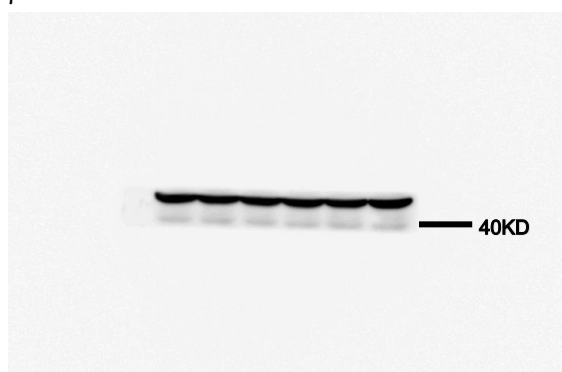


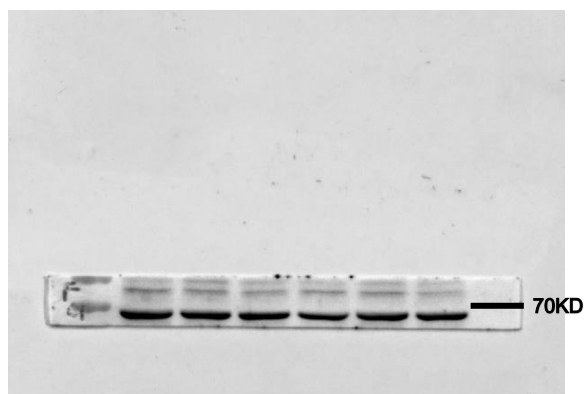
Figure 3E From left to right: $Cp^{fl/fl}$ 1, $Cp^{fl/fl}$ 2, $Cp^{fl/fl}$ 3, $Cp^{Gfap}cKO$ 1, $Cp^{Gfap}cKO$ 2, $Cp^{Gfap}cKO$ 3
TfR1



β -actin



FPN1



β -actin

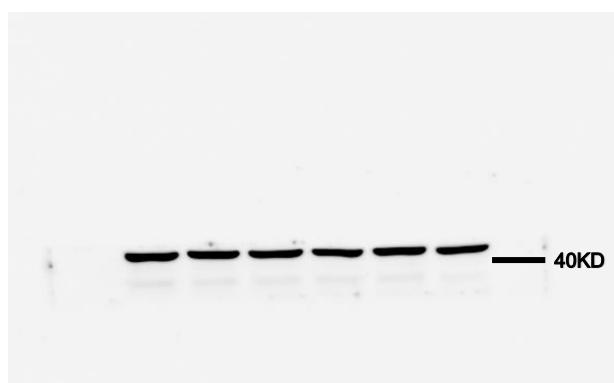


Figure 3G From left to right: $Cp^{fl/fl}$ 1, $Cp^{fl/fl}$ 2, $Cp^{fl/fl}$ 3, $Cp^{Gfap}cKO$ 1, $Cp^{Gfap}cKO$ 2, $Cp^{Gfap}cKO$ 3
TfR1



β -actin

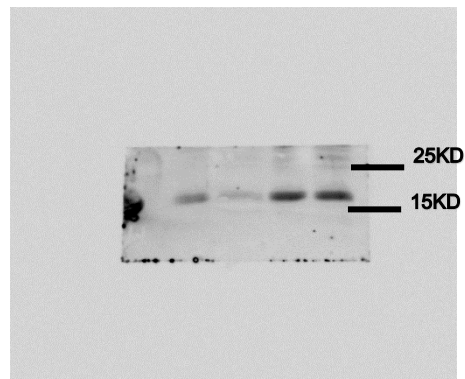
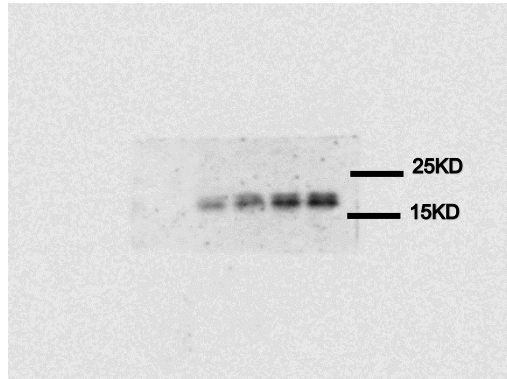


Figure 4B

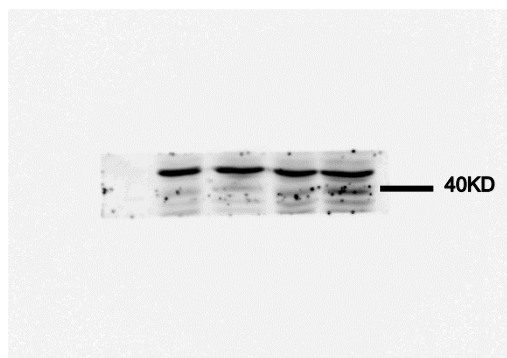
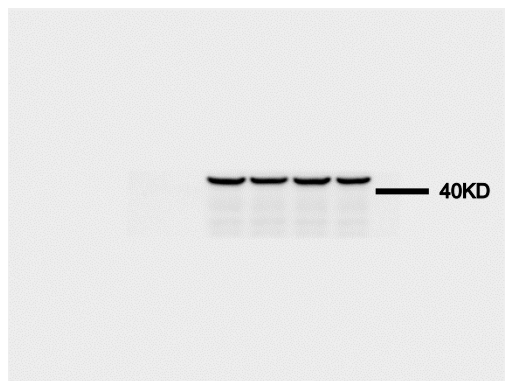
H-ferritin

From left to right: $Cp^{fl/fl}$ 1, $Cp^{fl/fl}$ 2, $Cp^{Gfap}cKO$ 1, $Cp^{Gfap}cKO$ 2, $Cp^{fl/fl}$ 3, $Cp^{fl/fl}$ 4, $Cp^{Gfap}cKO$ 3, $Cp^{Gfap}cKO$ 4

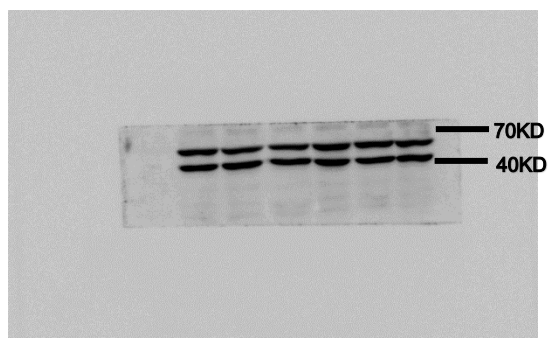
H-ferritin



β -actin



FPN1 and β -actin



TfR1

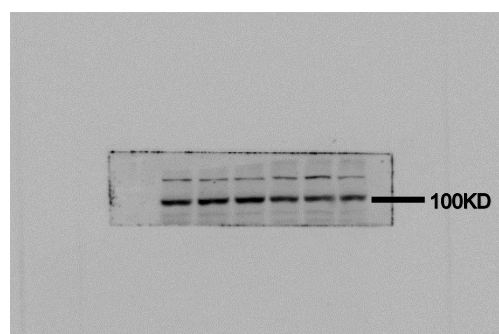
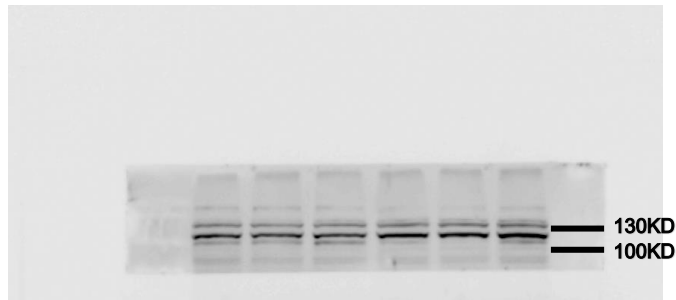


Figure 5G

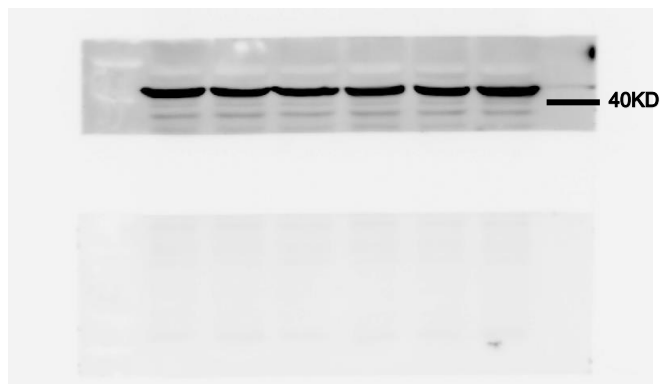
From left to right: $Cp^{fl/fl}$ 1, $Cp^{fl/fl}$ 2, $Cp^{fl/fl}$ 3, $Cp^{Gfap}cKO$ 1, $Cp^{Gfap}cKO$ 2, $Cp^{Gfap}cKO$ 3

Cerebral cortex

HP

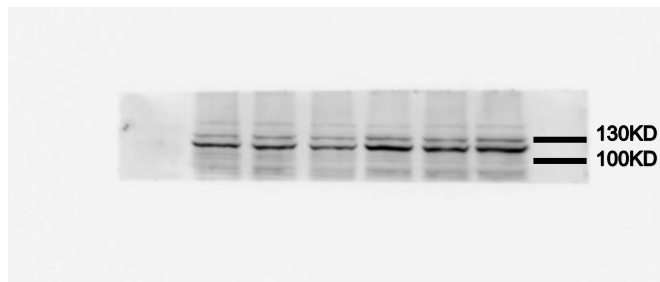


β -actin



Hippocampus

HP



β -actin

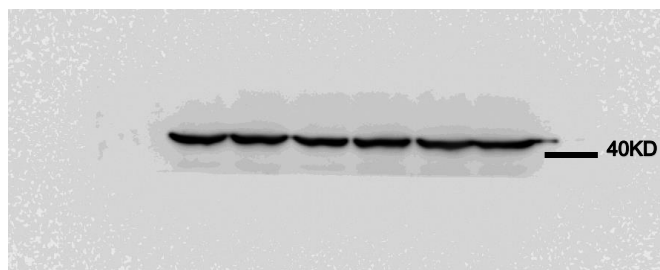
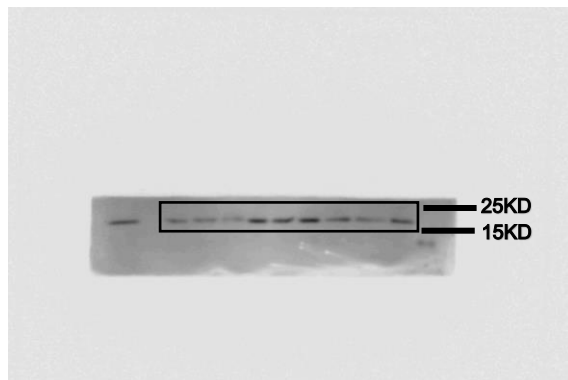


Figure 6F From left to right: 6M $Cp^{fl/fl}$ 1, 6M $Cp^{fl/fl}$ 2, 6M $Cp^{fl/fl}$ 3, 18M $Cp^{fl/fl}$ 1, 18M $Cp^{fl/fl}$ 2, 18M $Cp^{fl/fl}$ 3, 18M $Cp^{Gfap}cKO$ 1, 18M $Cp^{Gfap}cKO$ 2, 18M $Cp^{Gfap}cKO$ 3

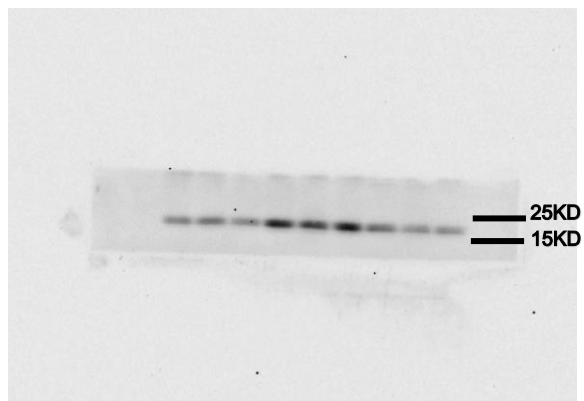
L-ferritin



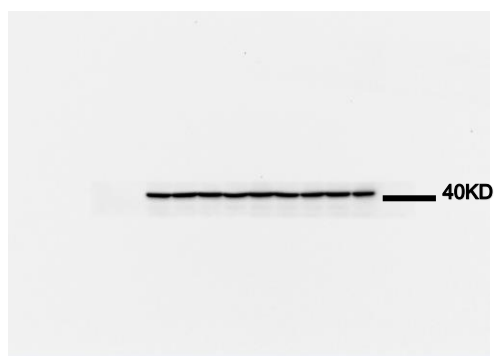
β -actin



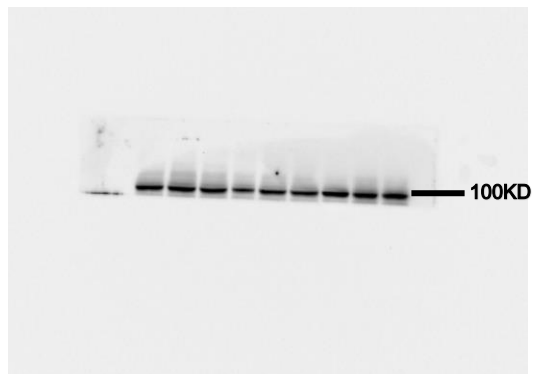
H-ferritin



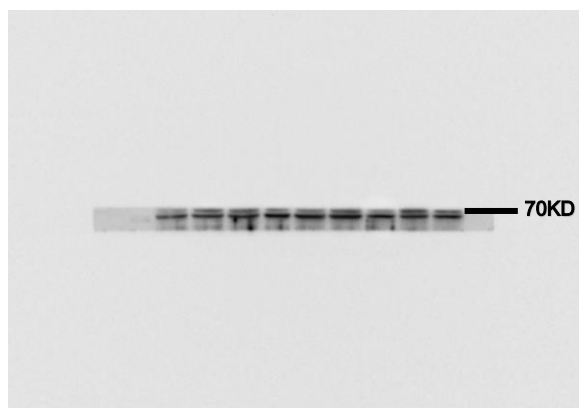
β -actin



TfR1



FPN1

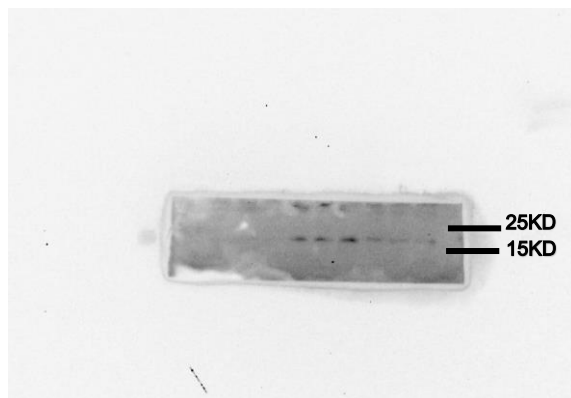


β -actin (the same as TfR1 β -actin)

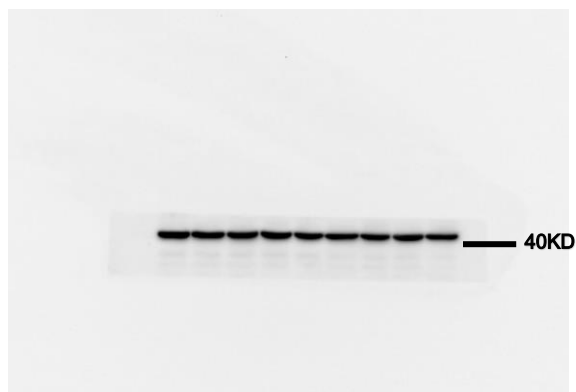


Figure 6G From left to right: 6M $Cp^{fl/fl}$ 1, 6M $Cp^{fl/fl}$ 2, 6M $Cp^{fl/fl}$ 3, 18M $Cp^{fl/fl}$ 1, 18M $Cp^{fl/fl}$ 2, 18M $Cp^{fl/fl}$ 3, 18M $Cp^{Gfap}cKO$ 1, 18M $Cp^{Gfap}cKO$ 2, 18M $Cp^{Gfap}cKO$ 3

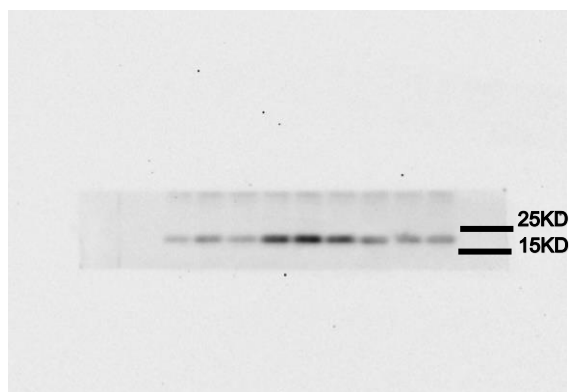
L-ferritin



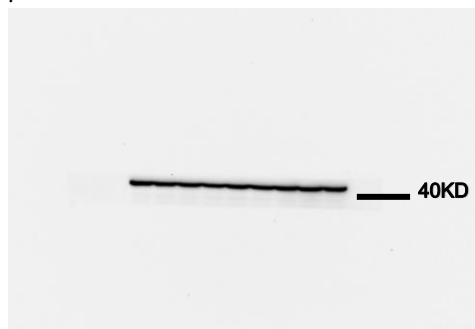
β -actin



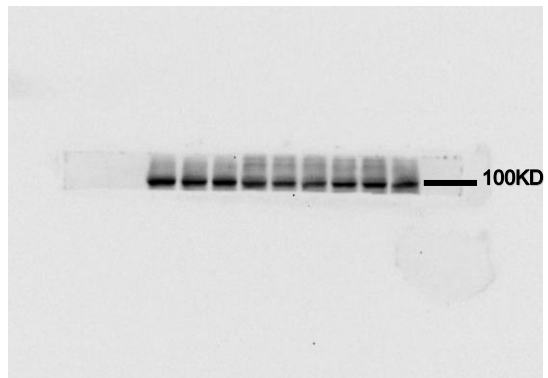
H-ferritin



β -actin



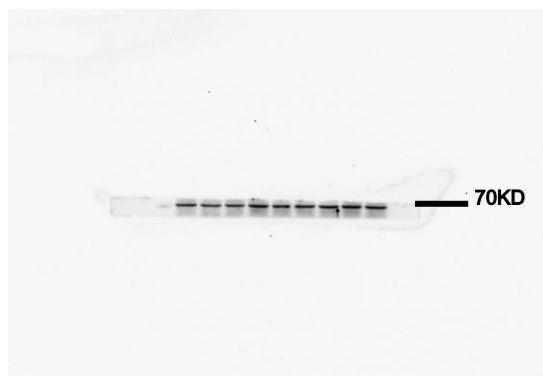
TfR1



β -actin



FPN1



β -actin

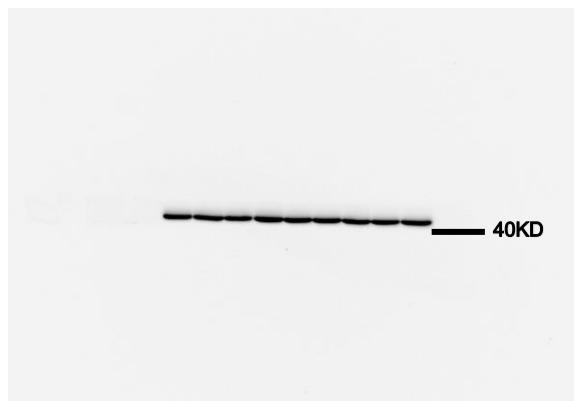
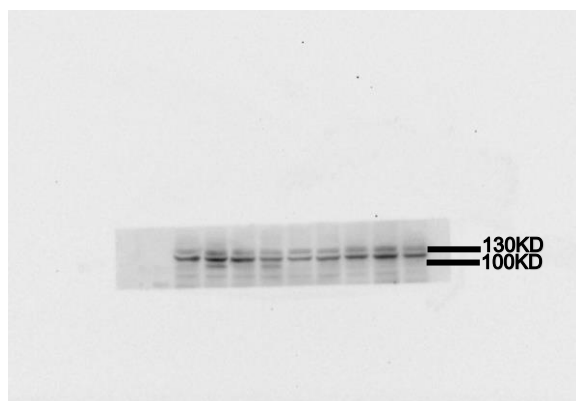


Figure 6S From left to right: 6M $Cp^{fl/fl}$ 1, 6M $Cp^{fl/fl}$ 2, 6M $Cp^{fl/fl}$ 3, 18M $Cp^{fl/fl}$ 1, 18M $Cp^{fl/fl}$ 2, 18M $Cp^{fl/fl}$ 3, 18M $Cp^{Gfap}cKO$ 1, 18M $Cp^{Gfap}cKO$ 2, 18M $Cp^{Gfap}cKO$ 3

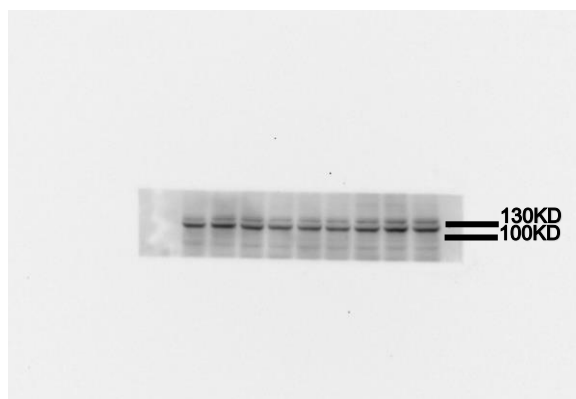
HP Cerebral cortex



β -actin



HP Hippocampus



β -actin

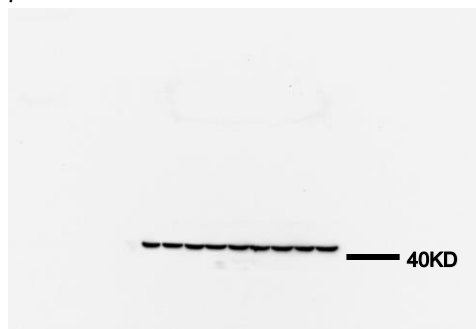
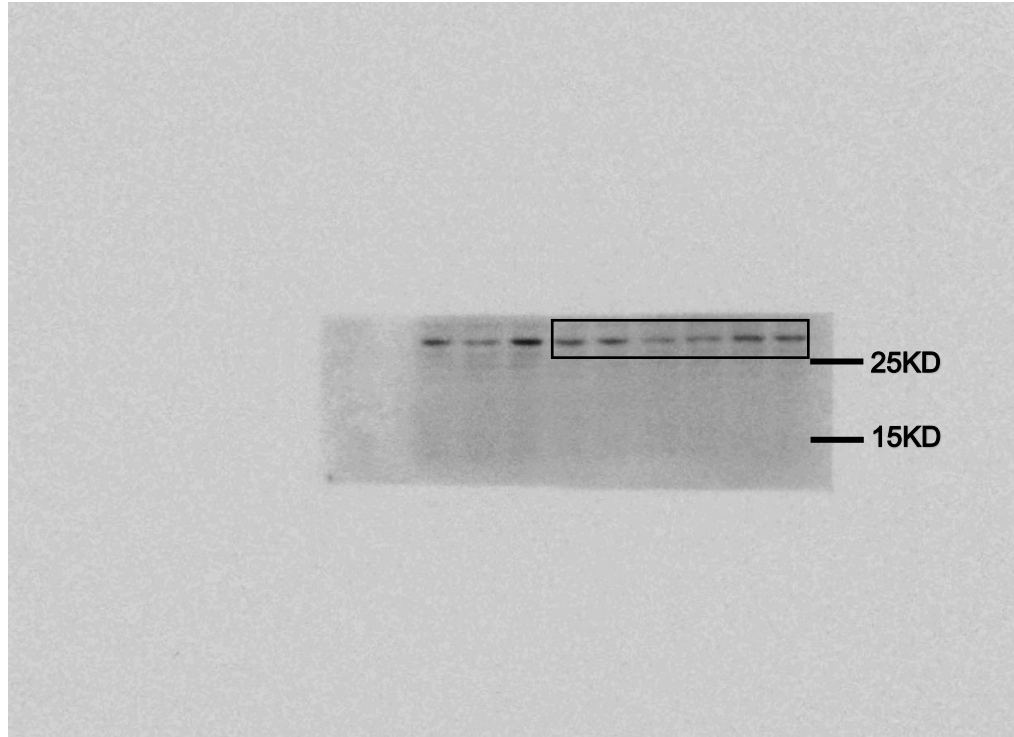


Figure 7B

Cerebral cortex

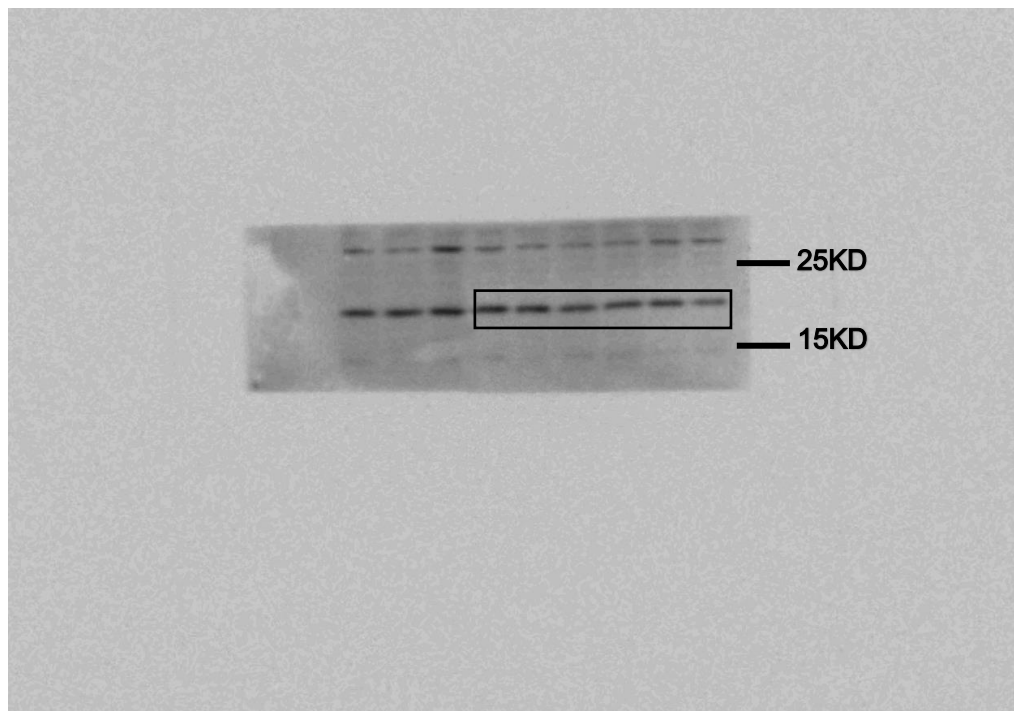
Bcl-2

From left to right: 6M $Cp^{fl/fl}$ 3, 18M $Cp^{fl/fl}$ 3, 18M $Cp^{Gfap}cKO$ 3, 6M $Cp^{fl/fl}$ 1, 6M $Cp^{fl/fl}$ 2, 18M $Cp^{fl/fl}$ 1, 18M $Cp^{fl/fl}$ 2, 18M $Cp^{Gfap}cKO$ 1, 18M $Cp^{Gfap}cKO$ 2



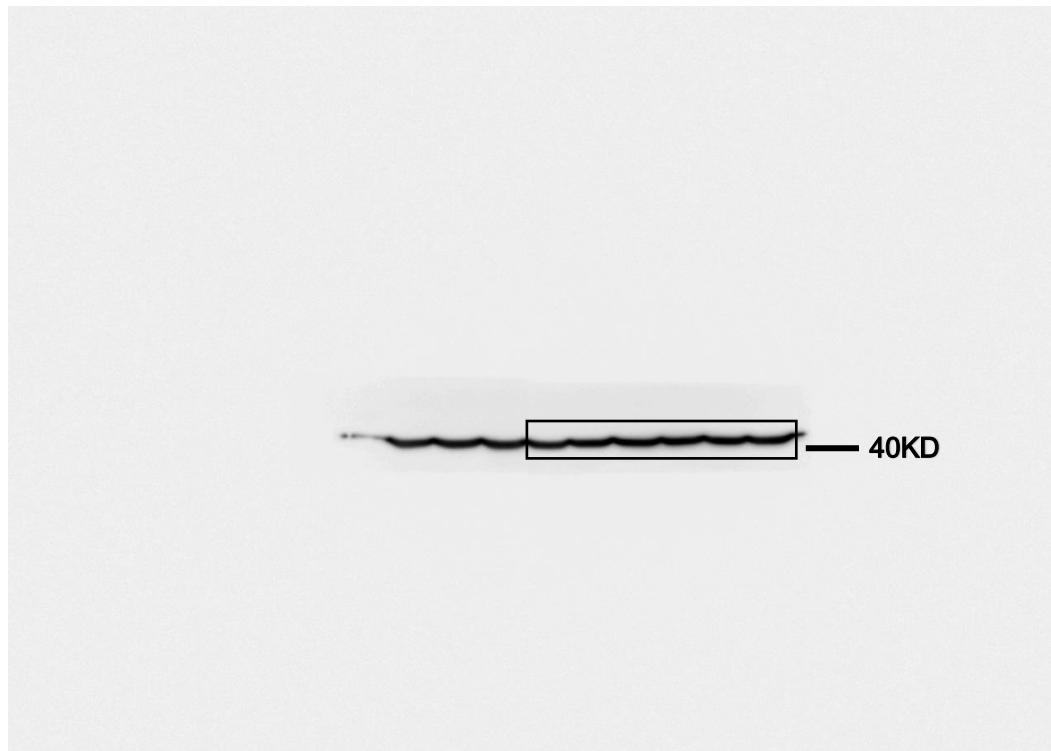
Bax

From left to right: 6M $Cp^{fl/fl}$ 3, 18M $Cp^{fl/fl}$ 3, 18M $Cp^{Gfap}cKO$ 3, 6M $Cp^{fl/fl}$ 1, 6M $Cp^{fl/fl}$ 2, 18M $Cp^{fl/fl}$ 1, 18M $Cp^{fl/fl}$ 2, 18M $Cp^{Gfap}cKO$ 1, 18M $Cp^{Gfap}cKO$ 2



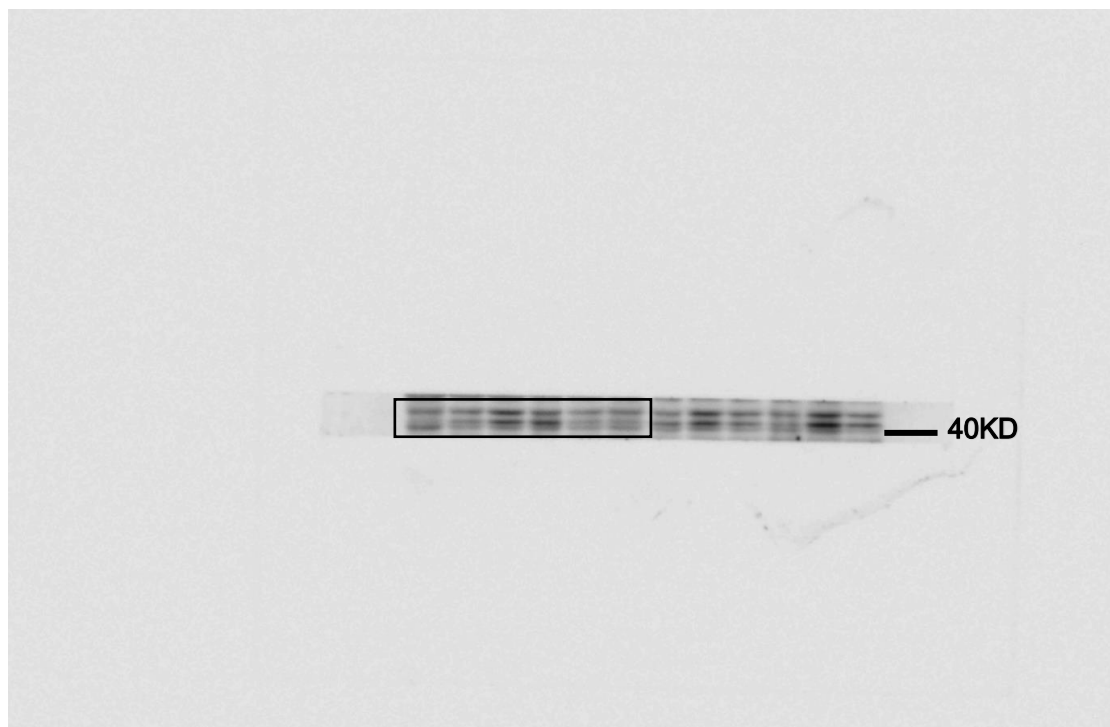
β -actin

From left to right: 6M $Cp^{fl/fl}$ 3, 18M $Cp^{fl/fl}$ 3, 18M $Cp^{Gfap}cKO$ 3, 6M $Cp^{fl/fl}$ 1, 6M $Cp^{fl/fl}$ 2, 18M $Cp^{fl/fl}$ 1, 18M $Cp^{fl/fl}$ 2, 18M $Cp^{Gfap}cKO$ 1, 18M $Cp^{Gfap}cKO$ 2



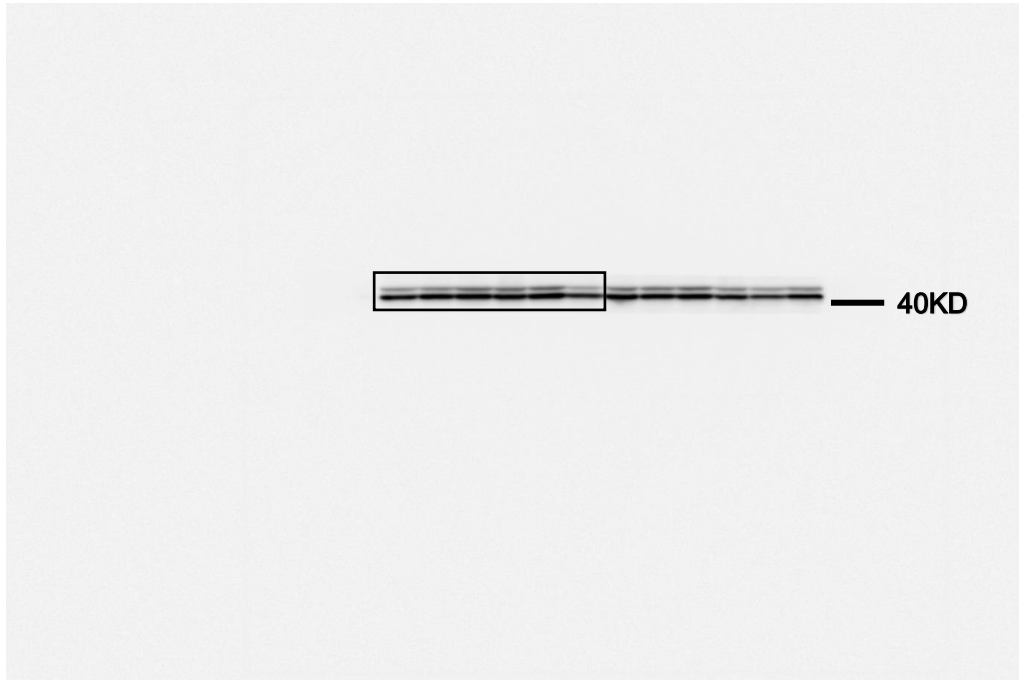
p-Erk

From left to right: 6M $Cp^{fl/fl}$ 1, 6M $Cp^{fl/fl}$ 2, 18M $Cp^{fl/fl}$ 1, 18M $Cp^{fl/fl}$ 2, 18M $Cp^{Gfap}cKO$ 1, 18M $Cp^{Gfap}cKO$ 2, 6M $Cp^{fl/fl}$ 3, 18M $Cp^{fl/fl}$ 3, 18M $Cp^{Gfap}cKO$ 3, 6M $Cp^{fl/fl}$ 4, 18M $Cp^{fl/fl}$ 4, 18M $Cp^{Gfap}cKO$ 4



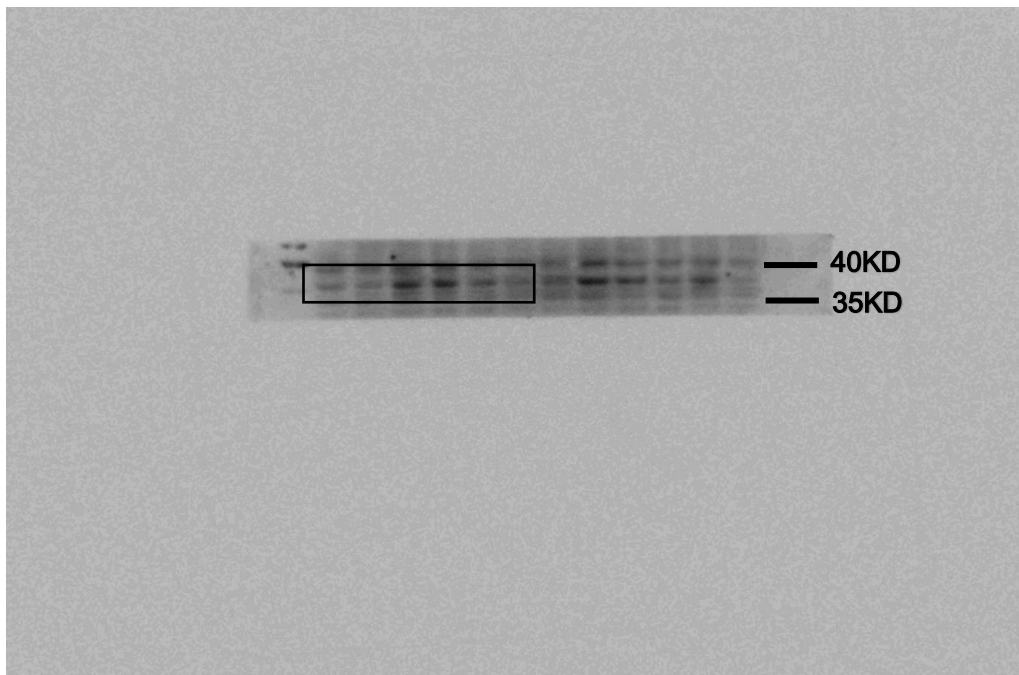
Erk

From left to right: 6M $Cp^{fl/fl}$ 1, 6M $Cp^{fl/fl}$ 2, 18M $Cp^{fl/fl}$ 1, 18M $Cp^{fl/fl}$ 2, 18M $Cp^{Gfap}cKO$ 1, 18M $Cp^{Gfap}cKO$ 2, 6M $Cp^{fl/fl}$ 3, 18M $Cp^{fl/fl}$ 3, 18M $Cp^{Gfap}cKO$ 3, 6M $Cp^{fl/fl}$ 4, 18M $Cp^{fl/fl}$ 4, 18M $Cp^{Gfap}cKO$ 4



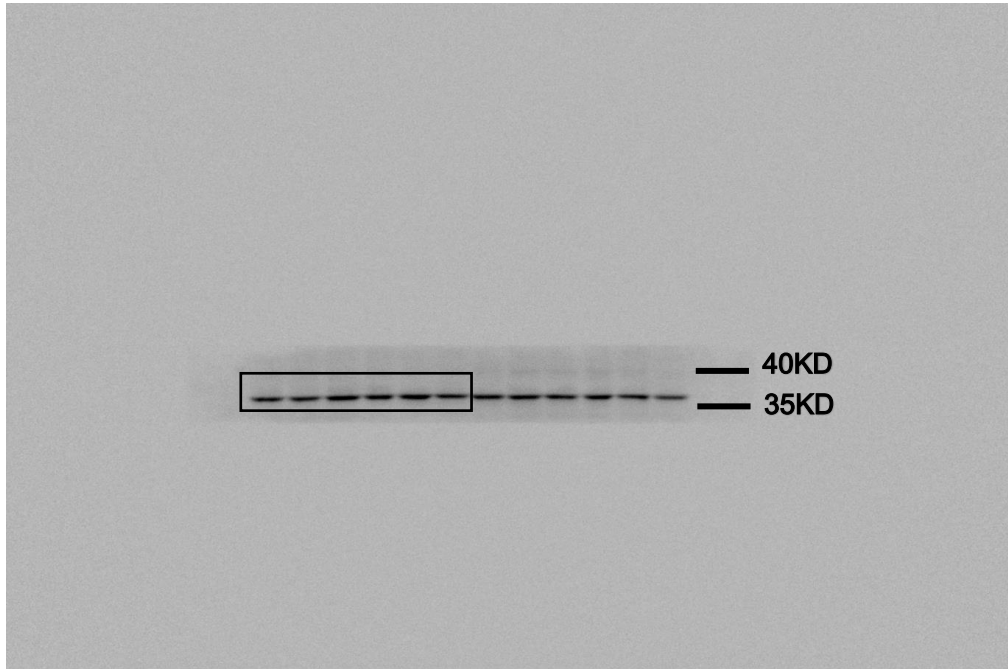
p-p38

From left to right: 6M $Cp^{fl/fl}$ 1, 6M $Cp^{fl/fl}$ 2, 18M $Cp^{fl/fl}$ 1, 18M $Cp^{fl/fl}$ 2, 18M $Cp^{Gfap}cKO$ 1, 18M $Cp^{Gfap}cKO$ 2, 6M $Cp^{fl/fl}$ 3, 18M $Cp^{fl/fl}$ 3, 18M $Cp^{Gfap}cKO$ 3, 6M $Cp^{fl/fl}$ 4, 18M $Cp^{fl/fl}$ 4, 18M $Cp^{Gfap}cKO$ 4



p38

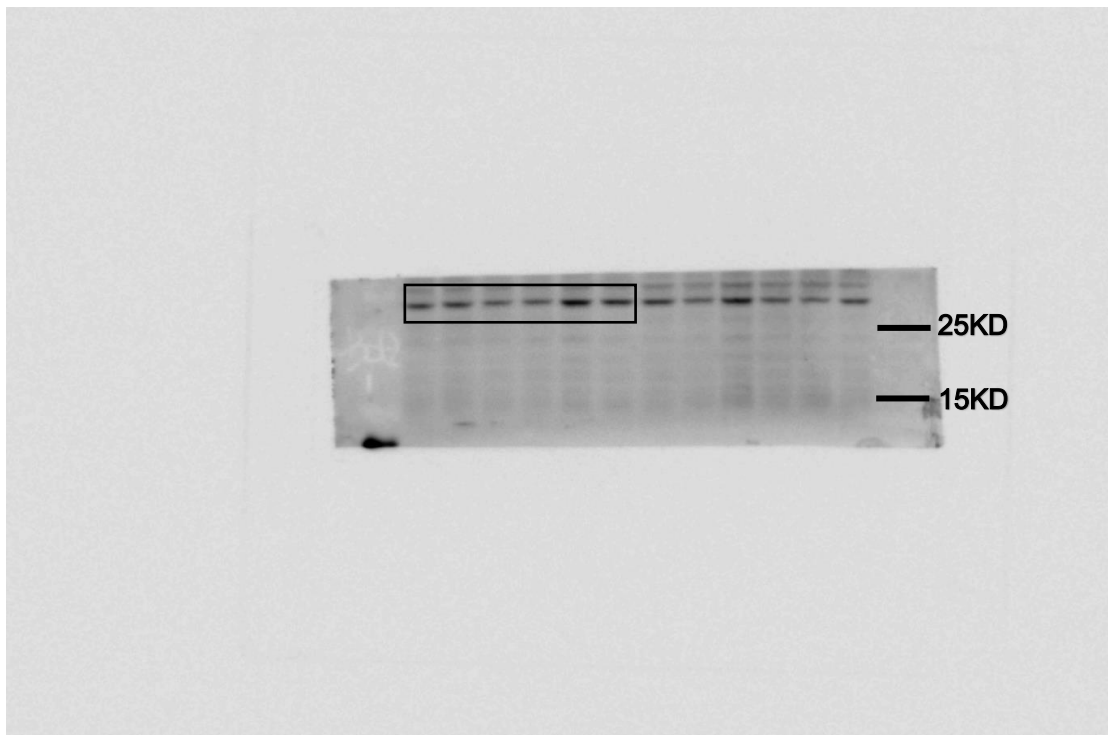
From left to right: 6M $Cp^{fl/fl}$ 1, 6M $Cp^{fl/fl}$ 2, 18M $Cp^{fl/fl}$ 1, 18M $Cp^{fl/fl}$ 2, 18M $Cp^{Gfap}cKO$ 1, 18M $Cp^{Gfap}cKO$ 2, 6M $Cp^{fl/fl}$ 3, 18M $Cp^{fl/fl}$ 3, 18M $Cp^{Gfap}cKO$ 3, 6M $Cp^{fl/fl}$ 4, 18M $Cp^{fl/fl}$ 4, 18M $Cp^{Gfap}cKO$ 4



Hippocampus

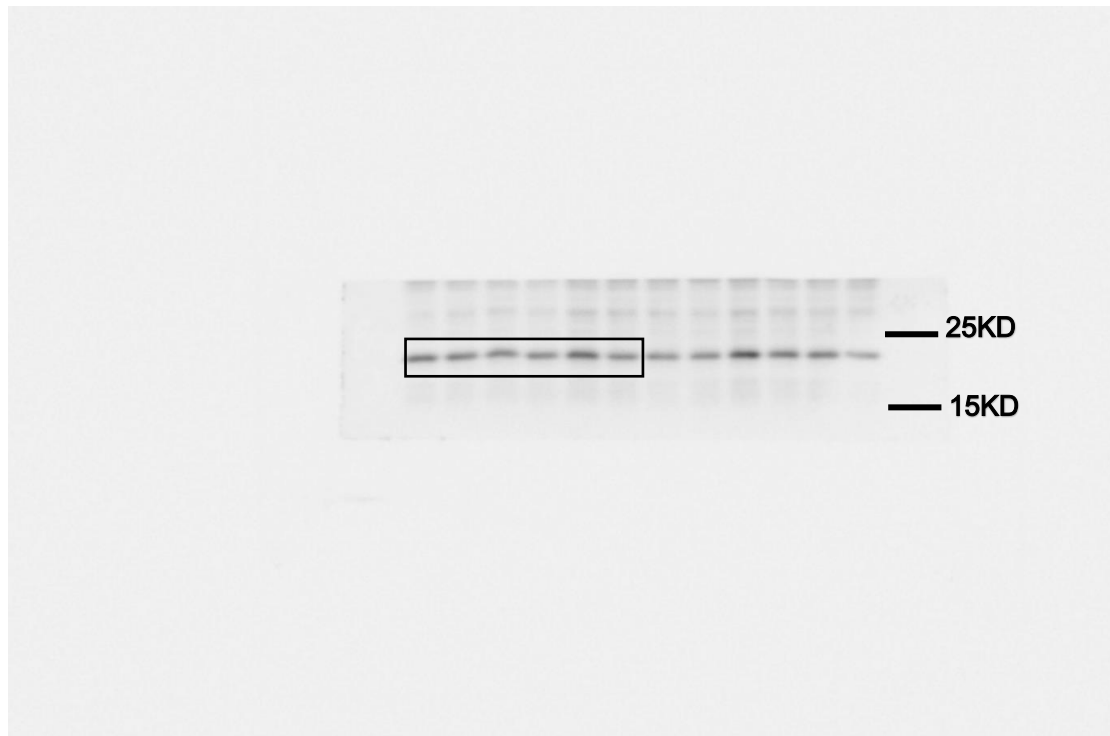
Bcl-2

From left to right: 6M $Cp^{fl/fl}$ 1, 6M $Cp^{fl/fl}$ 2, 18M $Cp^{fl/fl}$ 1, 18M $Cp^{fl/fl}$ 2, 18M $Cp^{Gfap}cKO$ 1, 18M $Cp^{Gfap}cKO$ 2, 6M $Cp^{fl/fl}$ 3, 18M $Cp^{fl/fl}$ 3, 18M $Cp^{Gfap}cKO$ 3, 6M $Cp^{fl/fl}$ 4, 18M $Cp^{fl/fl}$ 4, 18M $Cp^{Gfap}cKO$ 4



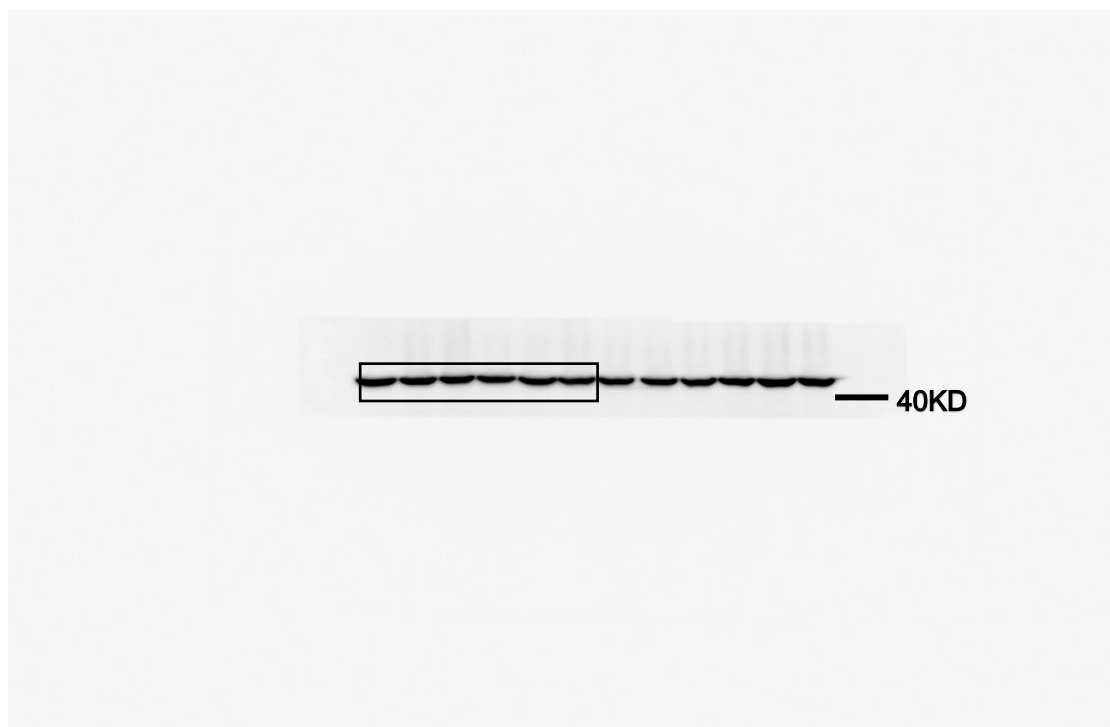
Bax

From left to right: 6M $Cp^{fl/fl}$ 1, 6M $Cp^{fl/fl}$ 2, 18M $Cp^{fl/fl}$ 1, 18M $Cp^{fl/fl}$ 2, 18M $Cp^{Gfap}cKO$ 1, 18M $Cp^{Gfap}cKO$ 2, 6M $Cp^{fl/fl}$ 3, 18M $Cp^{fl/fl}$ 3, 18M $Cp^{Gfap}cKO$ 3, 6M $Cp^{fl/fl}$ 4, 18M $Cp^{fl/fl}$ 4, 18M $Cp^{Gfap}cKO$ 4



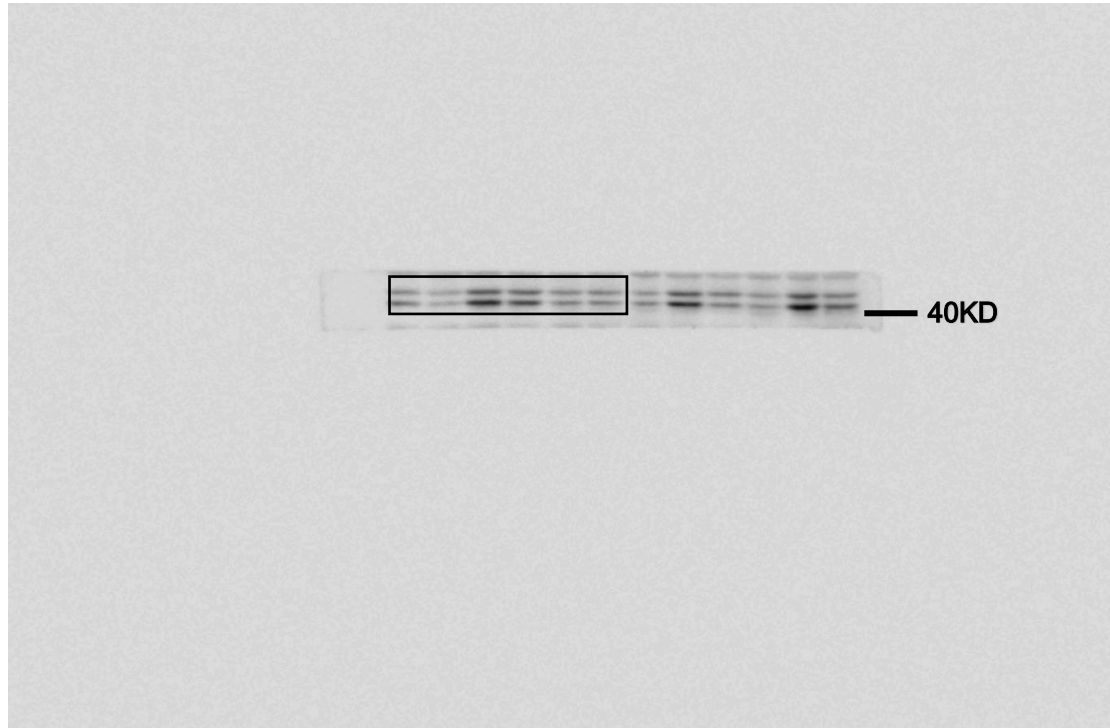
β -actin

From left to right: 6M $Cp^{fl/fl}$ 1, 6M $Cp^{fl/fl}$ 2, 18M $Cp^{fl/fl}$ 1, 18M $Cp^{fl/fl}$ 2, 18M $Cp^{Gfap}cKO$ 1, 18M $Cp^{Gfap}cKO$ 2, 6M $Cp^{fl/fl}$ 3, 18M $Cp^{fl/fl}$ 3, 18M $Cp^{Gfap}cKO$ 3, 6M $Cp^{fl/fl}$ 4, 18M $Cp^{fl/fl}$ 4, 18M $Cp^{Gfap}cKO$ 4



p-Erk

From left to right: 6M $Cp^{fl/fl}$ 1, 6M $Cp^{fl/fl}$ 2, 18M $Cp^{fl/fl}$ 1, 18M $Cp^{fl/fl}$ 2, 18M $Cp^{Gfap}cKO$ 1, 18M $Cp^{Gfap}cKO$ 2, 6M $Cp^{fl/fl}$ 3, 18M $Cp^{fl/fl}$ 3, 18M $Cp^{Gfap}cKO$ 3, 6M $Cp^{fl/fl}$ 4, 18M $Cp^{fl/fl}$ 4, 18M $Cp^{Gfap}cKO$ 4



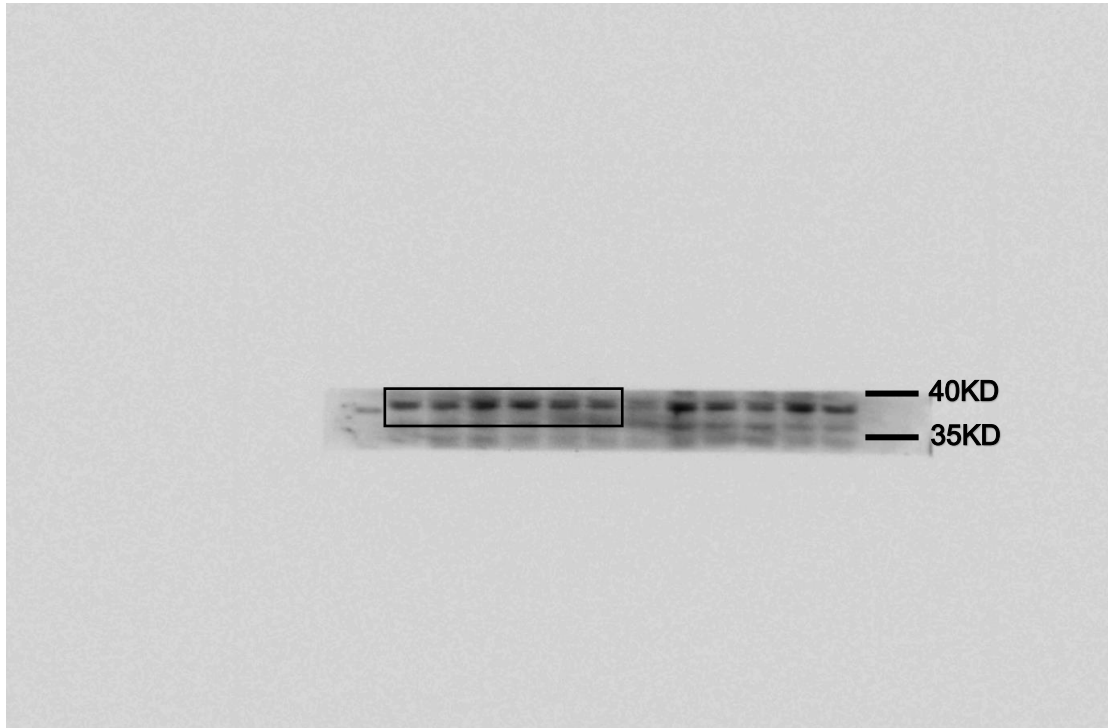
Erk

From left to right: 6M $Cp^{fl/fl}$ 1, 6M $Cp^{fl/fl}$ 2, 18M $Cp^{fl/fl}$ 1, 18M $Cp^{fl/fl}$ 2, 18M $Cp^{Gfap}cKO$ 1, 18M $Cp^{Gfap}cKO$ 2, 6M $Cp^{fl/fl}$ 3, 18M $Cp^{fl/fl}$ 3, 18M $Cp^{Gfap}cKO$ 3, 6M $Cp^{fl/fl}$ 4, 18M $Cp^{fl/fl}$ 4, 18M $Cp^{Gfap}cKO$ 4



p-p38

From left to right: 6M $Cp^{fl/fl}$ 1, 6M $Cp^{fl/fl}$ 2, 18M $Cp^{fl/fl}$ 1, 18M $Cp^{fl/fl}$ 2, 18M $Cp^{Gfap}cKO$ 1, 18M $Cp^{Gfap}cKO$ 2, 6M $Cp^{fl/fl}$ 3, 18M $Cp^{fl/fl}$ 3, 18M $Cp^{Gfap}cKO$ 3, 6M $Cp^{fl/fl}$ 4, 18M $Cp^{fl/fl}$ 4, 18M $Cp^{Gfap}cKO$ 4



p38

From left to right: 6M $Cp^{fl/fl}$ 1, 6M $Cp^{fl/fl}$ 2, 18M $Cp^{fl/fl}$ 1, 18M $Cp^{fl/fl}$ 2, 18M $Cp^{Gfap}cKO$ 1, 18M $Cp^{Gfap}cKO$ 2, 6M $Cp^{fl/fl}$ 3, 18M $Cp^{fl/fl}$ 3, 18M $Cp^{Gfap}cKO$ 3, 6M $Cp^{fl/fl}$ 4, 18M $Cp^{fl/fl}$ 4, 18M $Cp^{Gfap}cKO$ 4

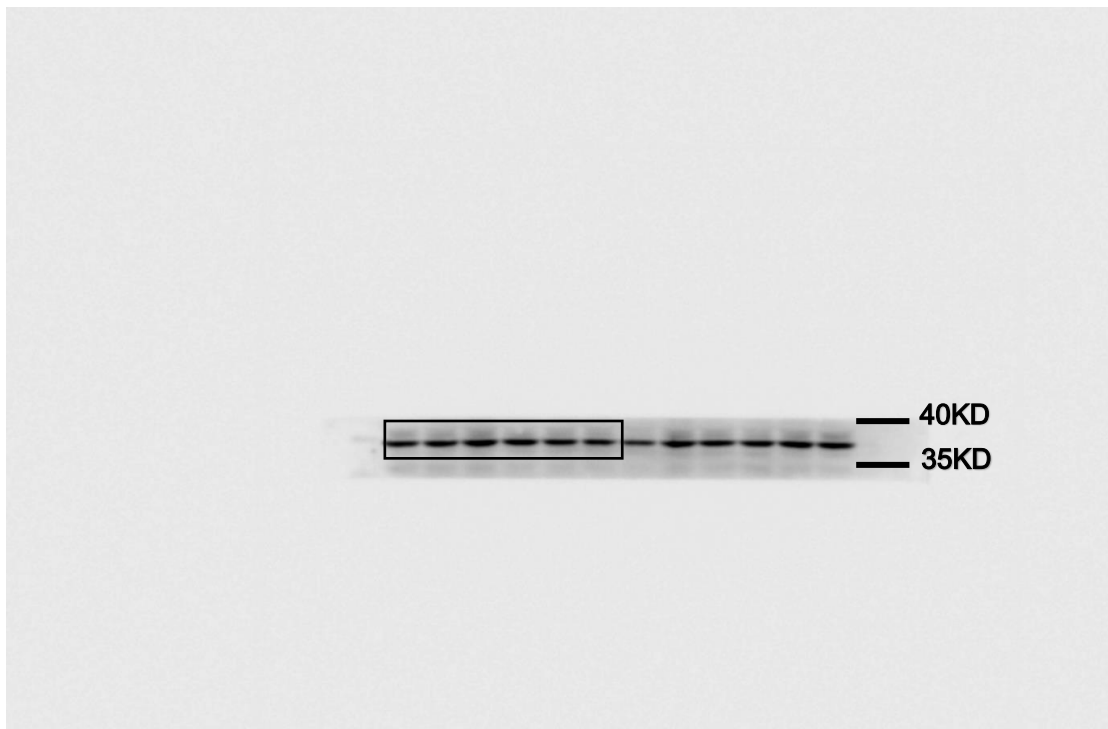
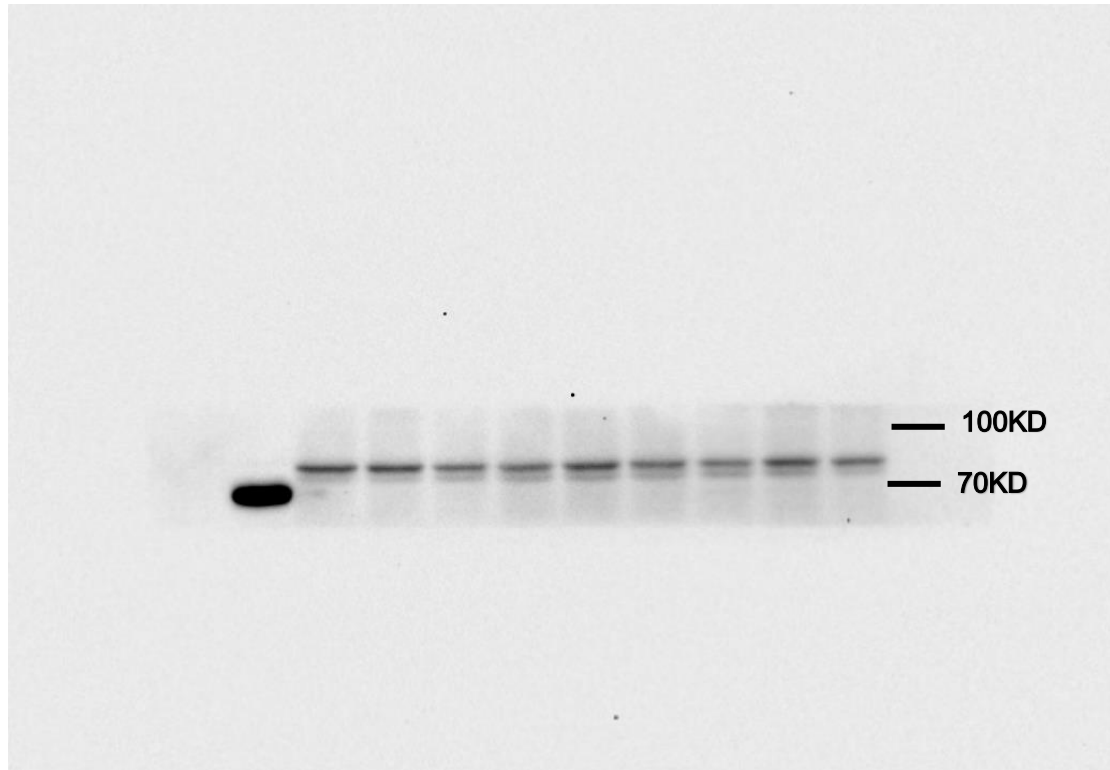


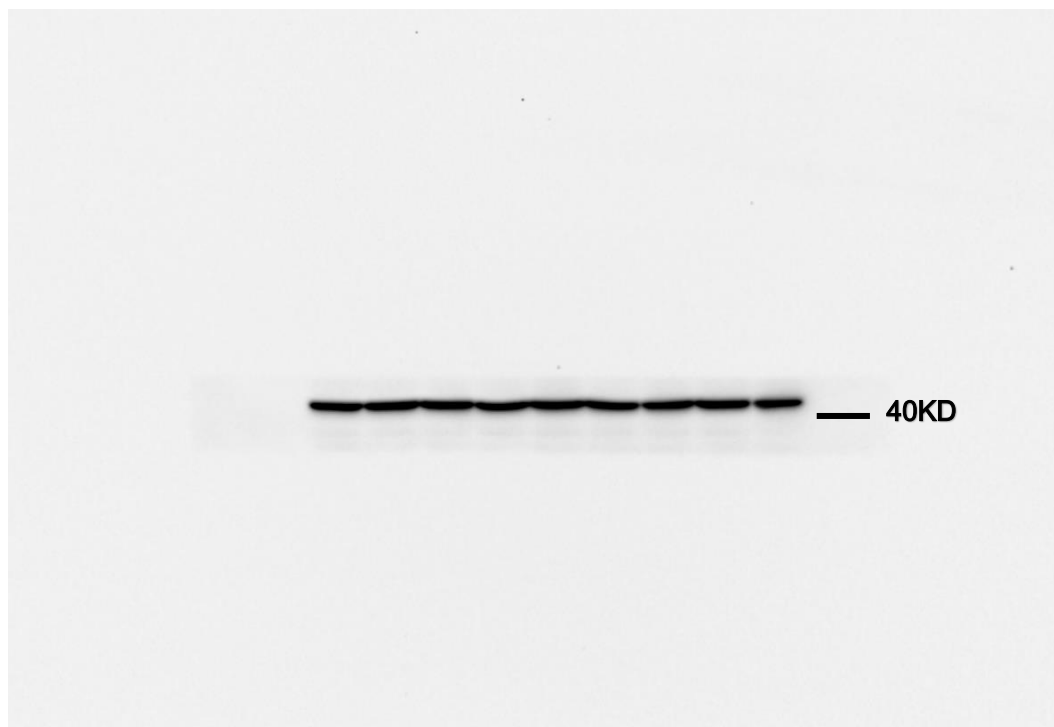
Figure 7G

ACSL4

From left to right: 6M $Cp^{fl/fl}$ 1, 6M $Cp^{fl/fl}$ 2, 6M $Cp^{fl/fl}$ 3, 18M $Cp^{fl/fl}$ 1, 18M $Cp^{fl/fl}$ 2, 18M $Cp^{fl/fl}$ 3, 18M Cp^{Gfap} cKO 1, 18M Cp^{Gfap} cKO 2, 18M Cp^{Gfap} cKO 3

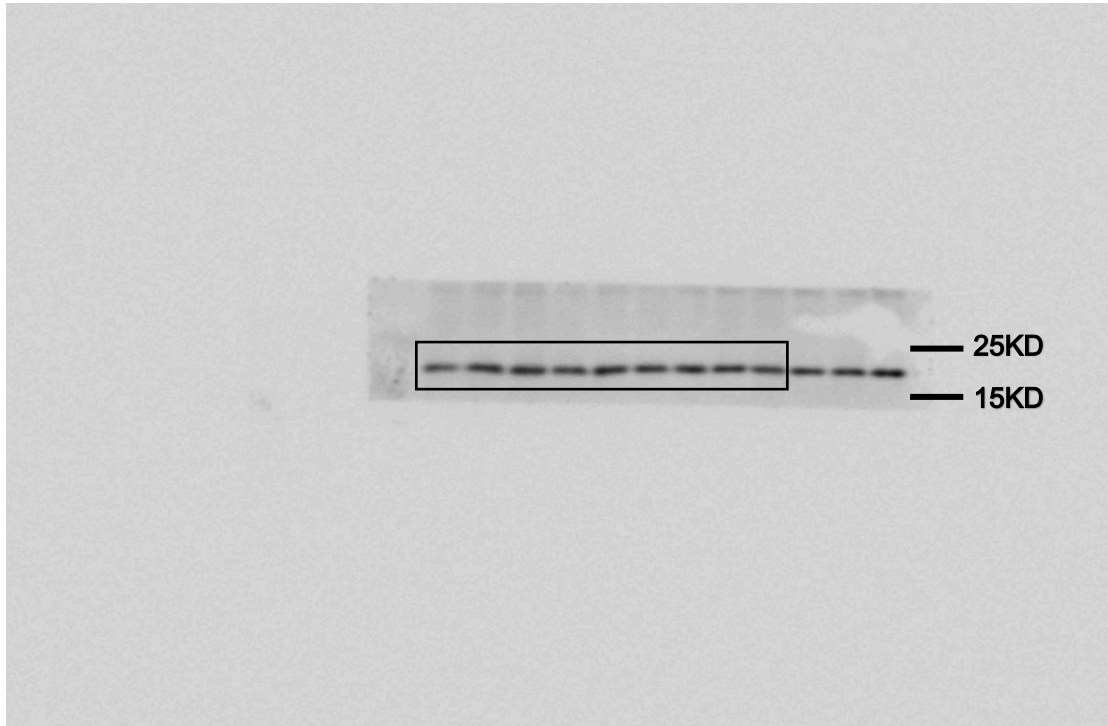


β -actin



GPX4

From left to right: 6M $Cp^{fl/fl}$ 1, 6M $Cp^{fl/fl}$ 2, 6M $Cp^{fl/fl}$ 3, 18M $Cp^{fl/fl}$ 1, 18M $Cp^{fl/fl}$ 2, 18M $Cp^{fl/fl}$ 3, 18M $Cp^{Gfap}cKO$ 1, 18M $Cp^{Gfap}cKO$ 2, 18M $Cp^{Gfap}cKO$ 3, 6M $Cp^{fl/fl}$ 4, 18M $Cp^{fl/fl}$ 4, 18M $Cp^{Gfap}cKO$ 4



β -actin

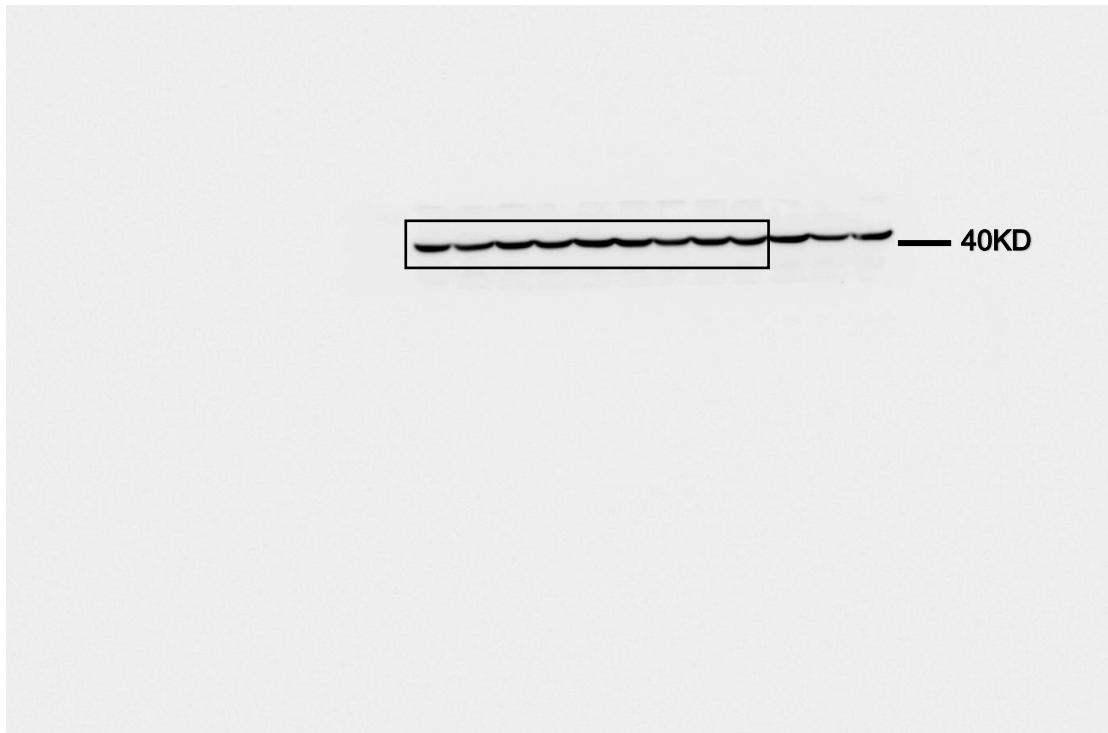
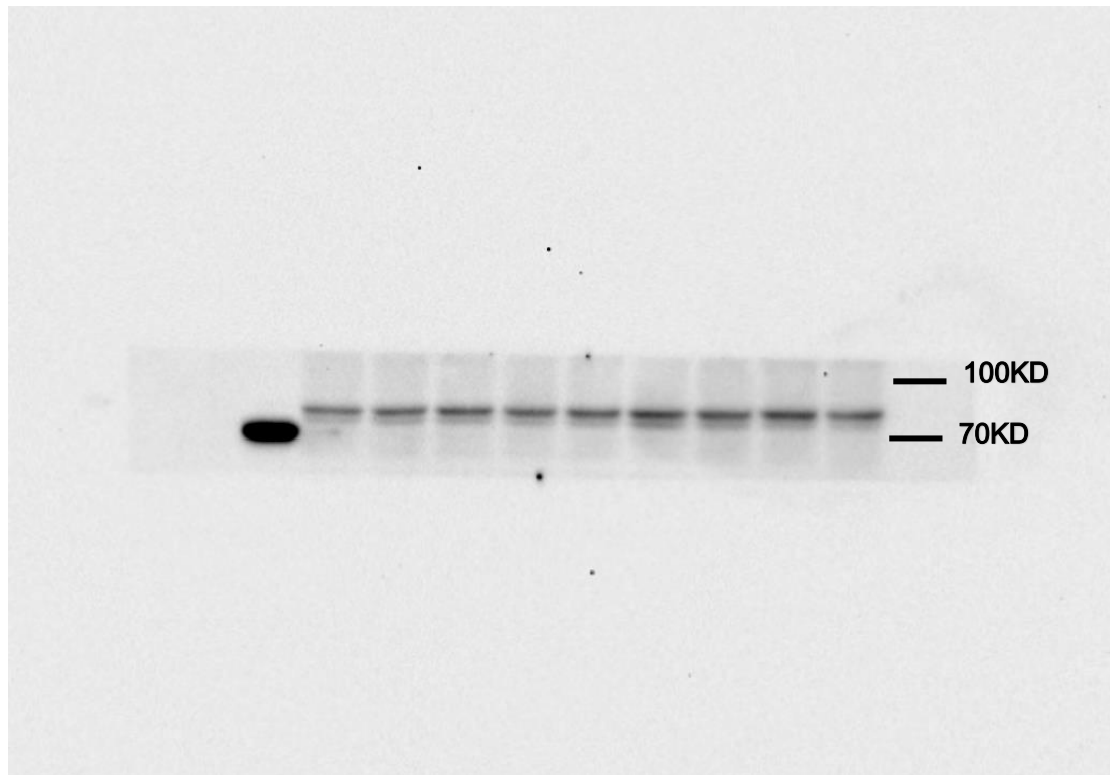


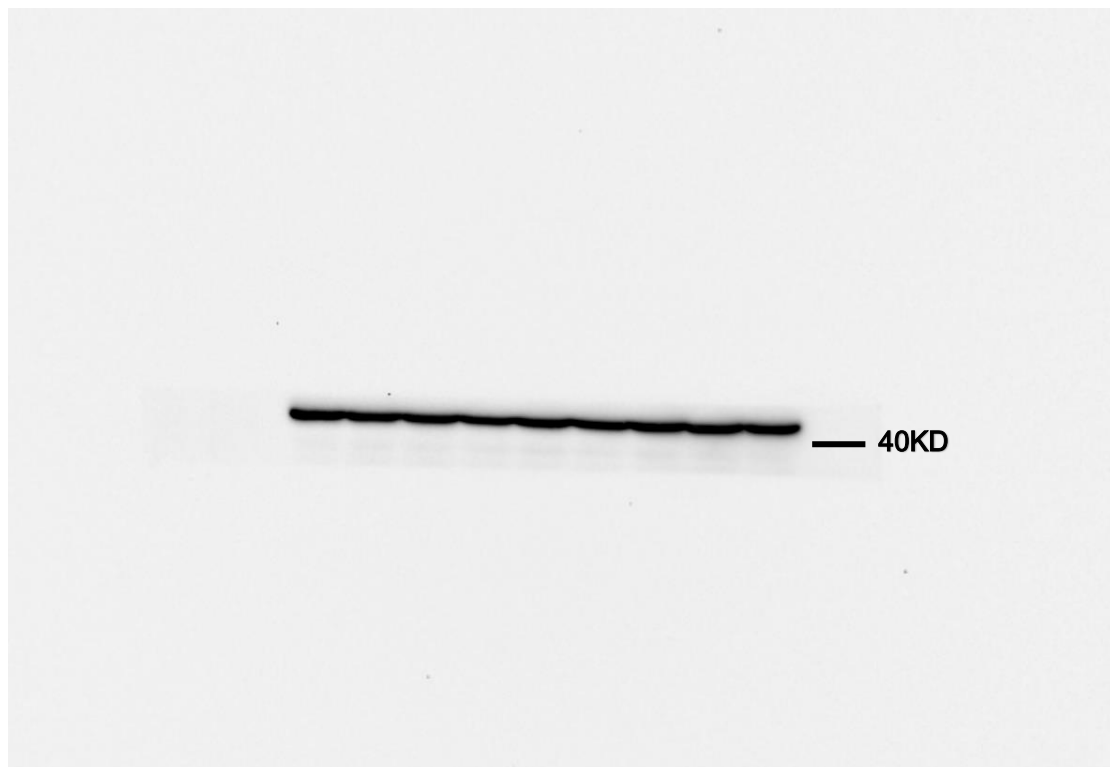
Figure 7I

ACSL4

From left to right: 6M $Cp^{fl/fl}$ 1, 6M $Cp^{fl/fl}$ 2, 6M $Cp^{fl/fl}$ 3, 18M $Cp^{fl/fl}$ 1, 18M $Cp^{fl/fl}$ 2, 18M $Cp^{fl/fl}$ 3, 18M Cp^{Gfap} cKO 1, 18M Cp^{Gfap} cKO 2, 18M Cp^{Gfap} cKO 3

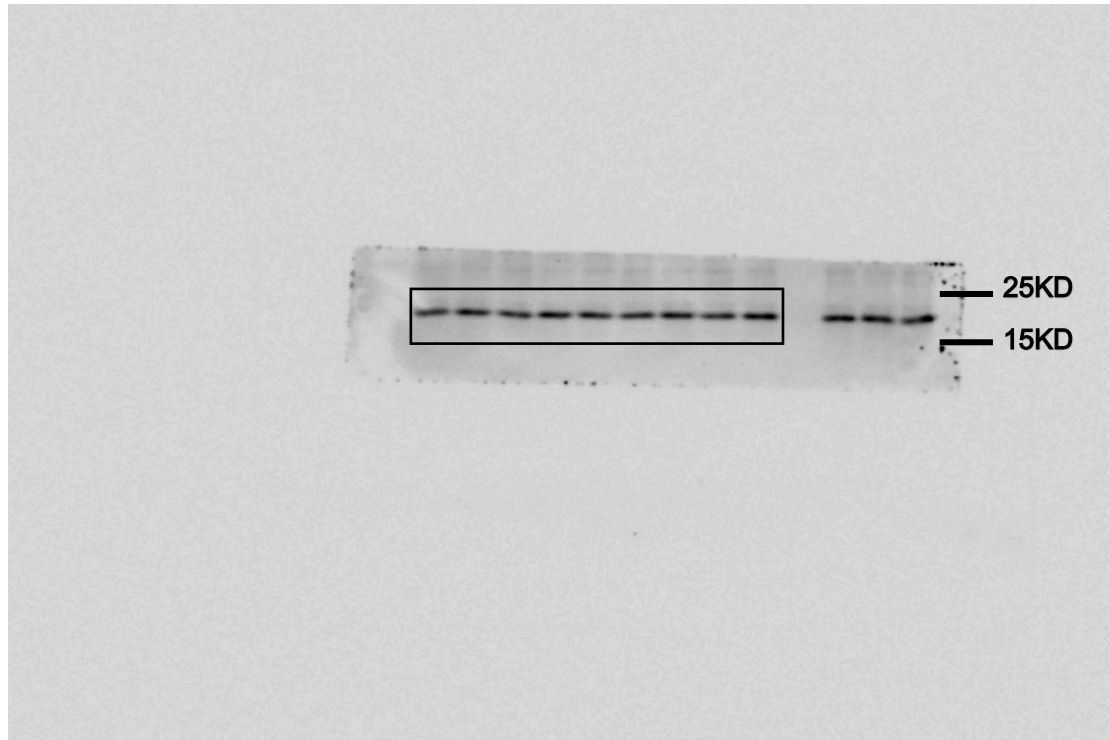


β -actin



GPX4

From left to right: 6M $Cp^{fl/fl}$ 1, 6M $Cp^{fl/fl}$ 2, 6M $Cp^{fl/fl}$ 3, 18M $Cp^{fl/fl}$ 1, 18M $Cp^{fl/fl}$ 2, 18M $Cp^{fl/fl}$ 3, 18M $Cp^{Gfap}cKO$ 1, 18M $Cp^{Gfap}cKO$ 2, 18M $Cp^{Gfap}cKO$ 3, 6M $Cp^{fl/fl}$ 4, 18M $Cp^{fl/fl}$ 4, 18M $Cp^{Gfap}cKO$ 4



β -actin

From left to right: 6M $Cp^{fl/fl}$ 1, 6M $Cp^{fl/fl}$ 2, 6M $Cp^{fl/fl}$ 3, 18M $Cp^{fl/fl}$ 1, 18M $Cp^{fl/fl}$ 2, 18M $Cp^{fl/fl}$ 3, 18M $Cp^{Gfap}cKO$ 1, 18M $Cp^{Gfap}cKO$ 2, 18M $Cp^{Gfap}cKO$ 3, 6M $Cp^{fl/fl}$ 4, 18M $Cp^{fl/fl}$ 4, 18M $Cp^{Gfap}cKO$ 4

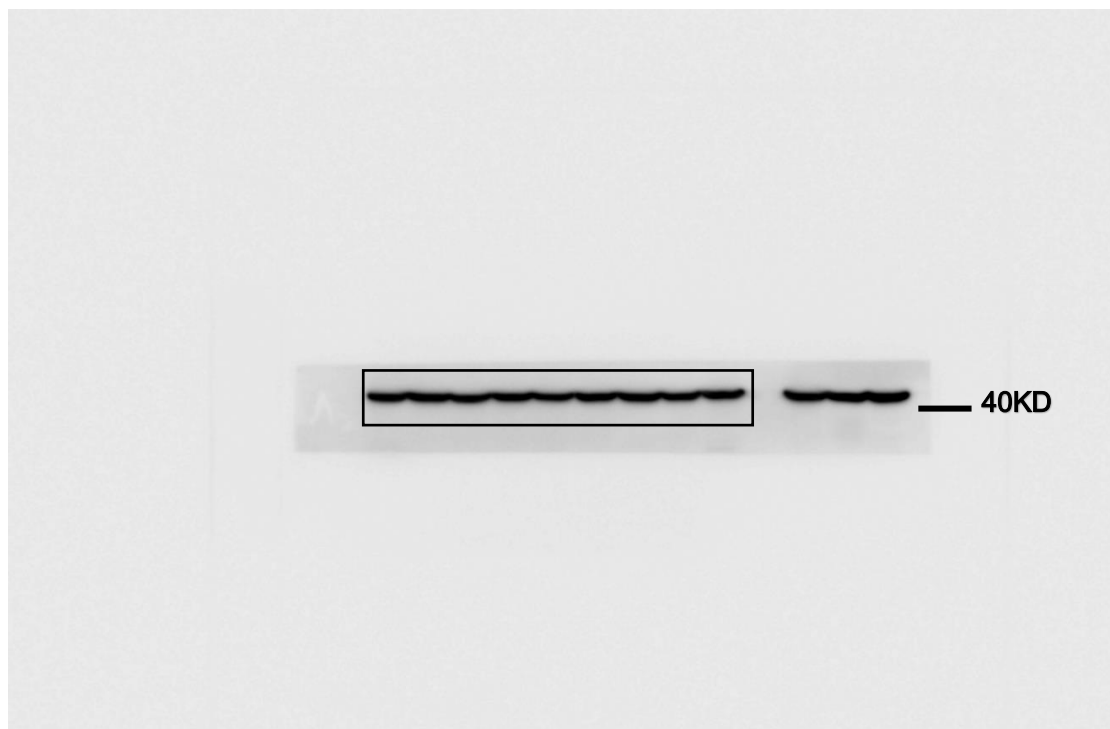
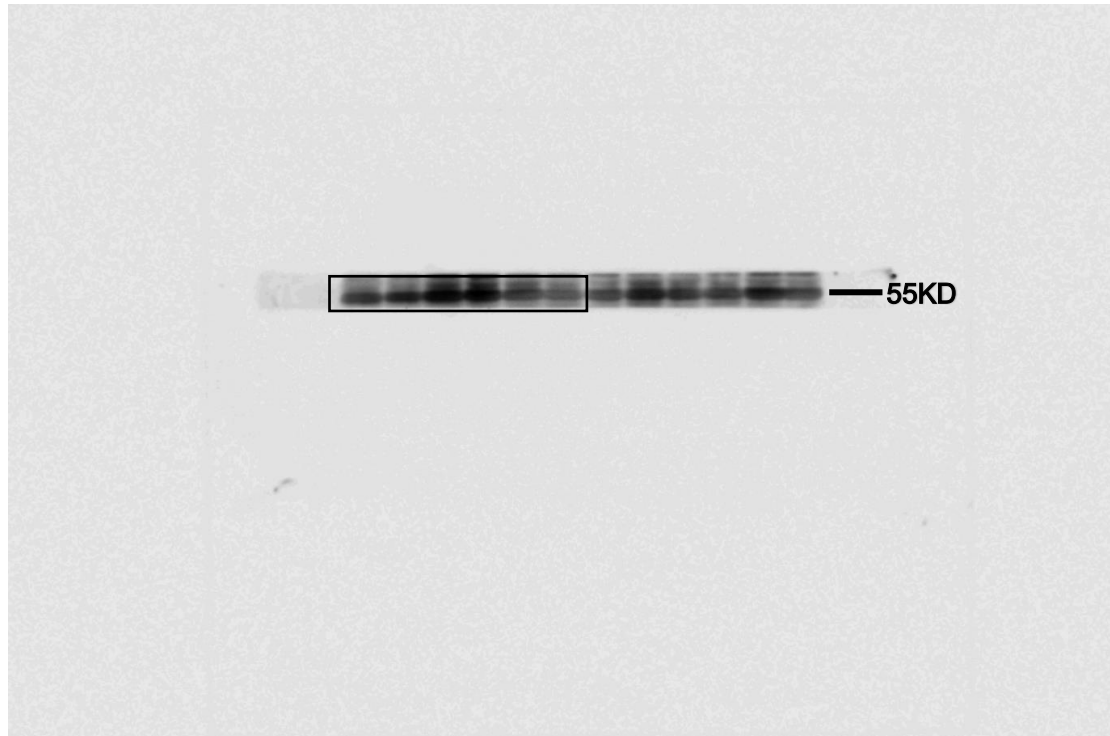


Figure 7T

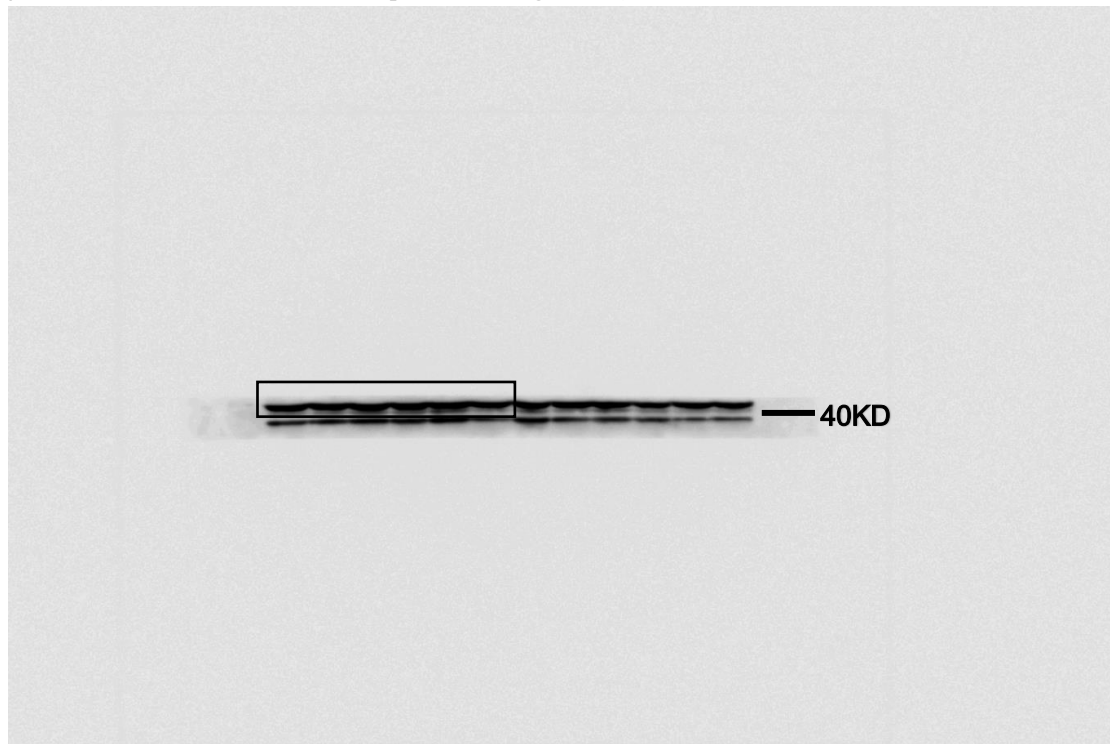
Cerebral cortex

From left to right: 6M $Cp^{fl/fl}$ 1, 6M $Cp^{fl/fl}$ 2, 18M $Cp^{fl/fl}$ 1, 18M $Cp^{fl/fl}$ 2, 18M $Cp^{Gfap}cKO$ 1, 18M $Cp^{Gfap}cKO$ 2, 6M $Cp^{fl/fl}$ 3, 18M $Cp^{fl/fl}$ 3, 18M $Cp^{Gfap}cKO$ 3, 6M $Cp^{fl/fl}$ 4, 18M $Cp^{fl/fl}$ 4, 18M $Cp^{Gfap}cKO$ 4

p-Tau



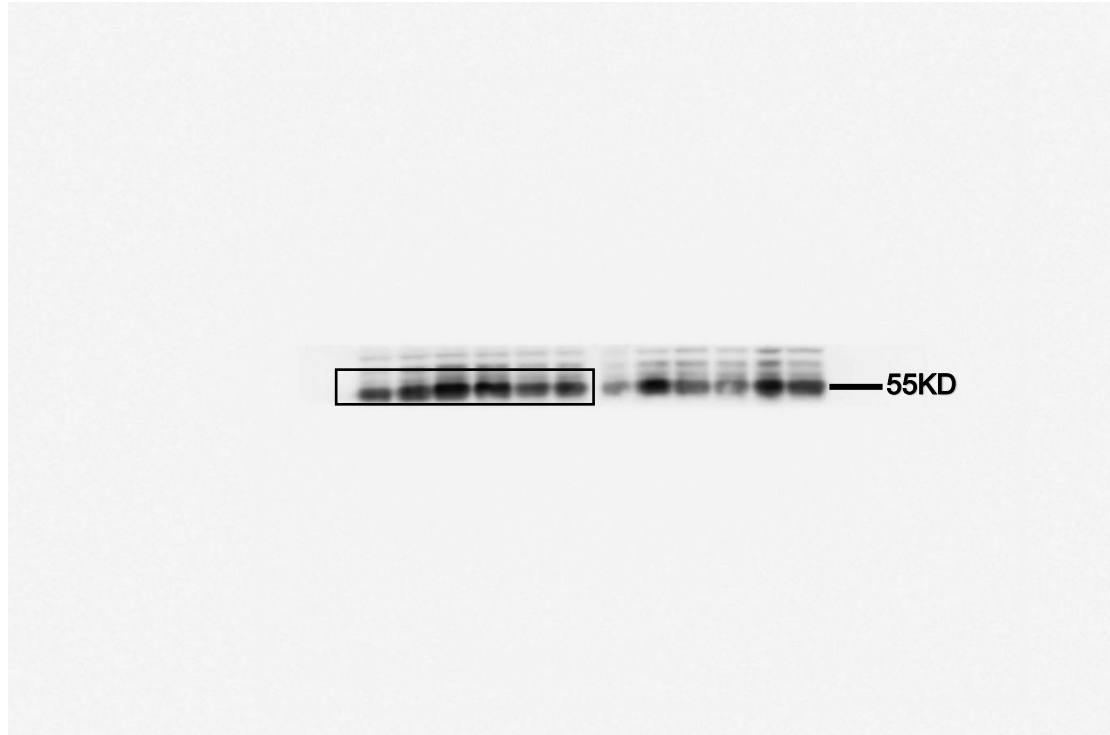
β -actin (The third time ECL from p-Erk/Erk Figure 8B)



Hippocampus

From left to right: 6M $Cp^{fl/fl}$ 1, 6M $Cp^{fl/fl}$ 2, 18M $Cp^{fl/fl}$ 1, 18M $Cp^{fl/fl}$ 2, 18M $Cp^{Gfap}cKO$ 1, 18M $Cp^{Gfap}cKO$ 2, 6M $Cp^{fl/fl}$ 3, 18M $Cp^{fl/fl}$ 3, 18M $Cp^{Gfap}cKO$ 3, 6M $Cp^{fl/fl}$ 4, 18M $Cp^{fl/fl}$ 4, 18M $Cp^{Gfap}cKO$ 4

p-Tau



β -actin

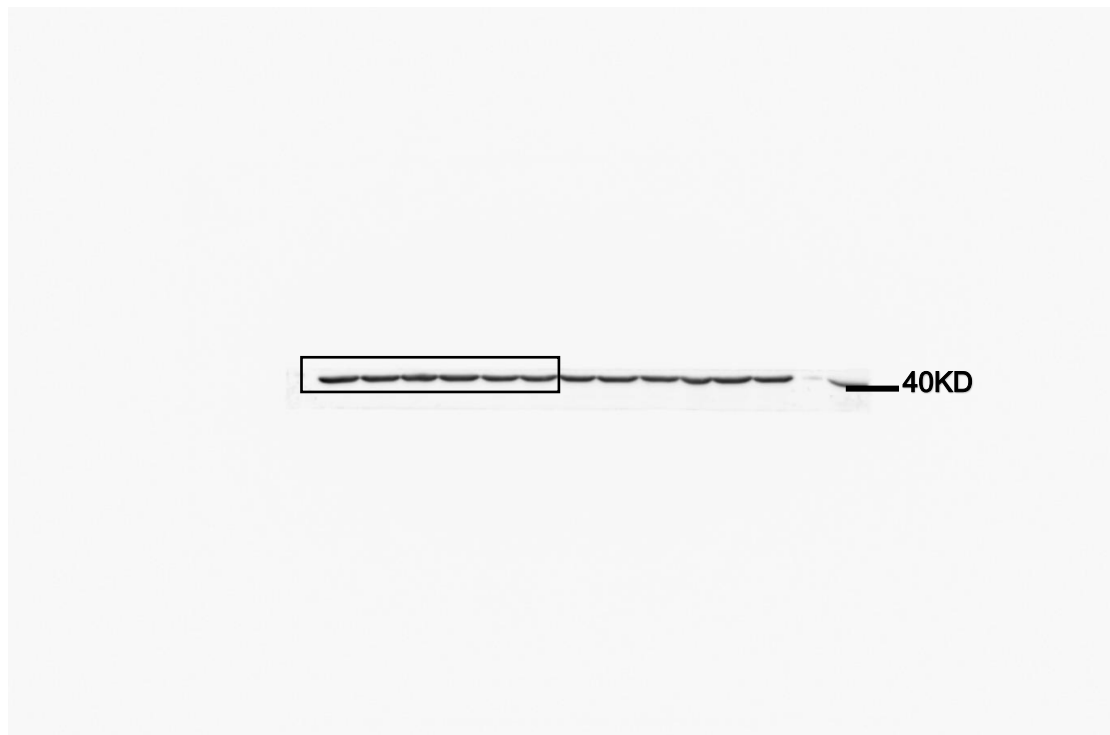
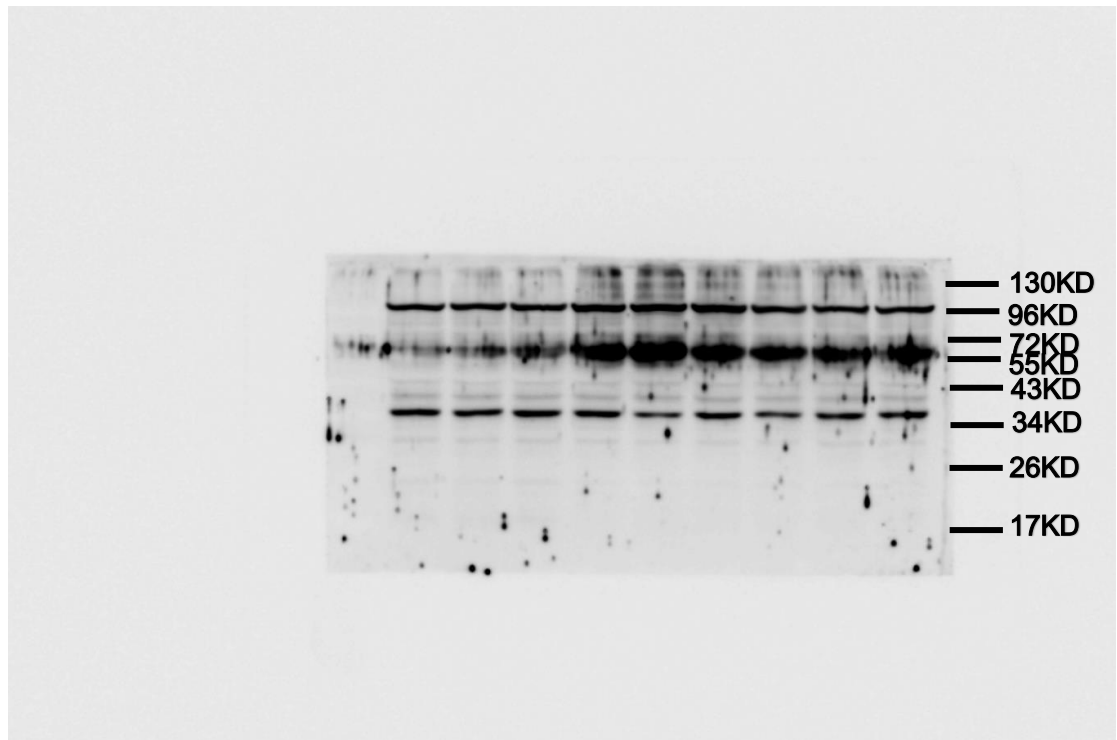


Figure 7W

From left to right: 6M $Cp^{fl/fl}$ 1, 6M $Cp^{fl/fl}$ 2, 6M $Cp^{fl/fl}$ 3, 18M $Cp^{fl/fl}$ 1, 18M $Cp^{fl/fl}$ 2, 18M $Cp^{fl/fl}$ 3, 18M $Cp^{Gfap}cKO$ 1, 18M $Cp^{Gfap}cKO$ 2, 18M $Cp^{Gfap}cKO$ 3

β -amyloid oligomers and sAPP

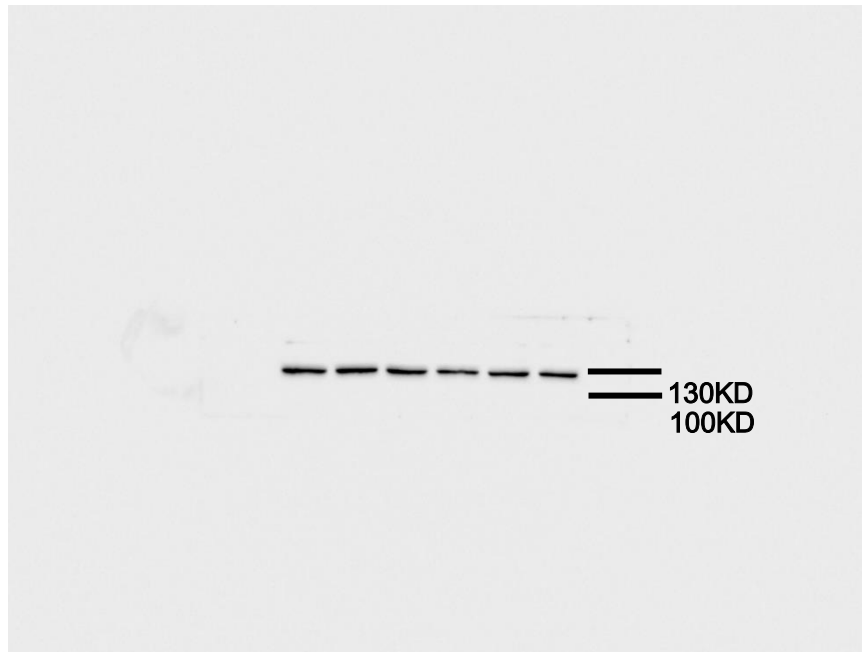


β -actin



Figure S2A

From left to right: $Cp^{fl/fl}$ 1, $Cp^{fl/fl}$ 2, $Cp^{fl/fl}$ 3, $Cp^{Gfap}cKO$ 1, $Cp^{Gfap}cKO$ 2, $Cp^{Gfap}cKO$ 3
CP



β -actin

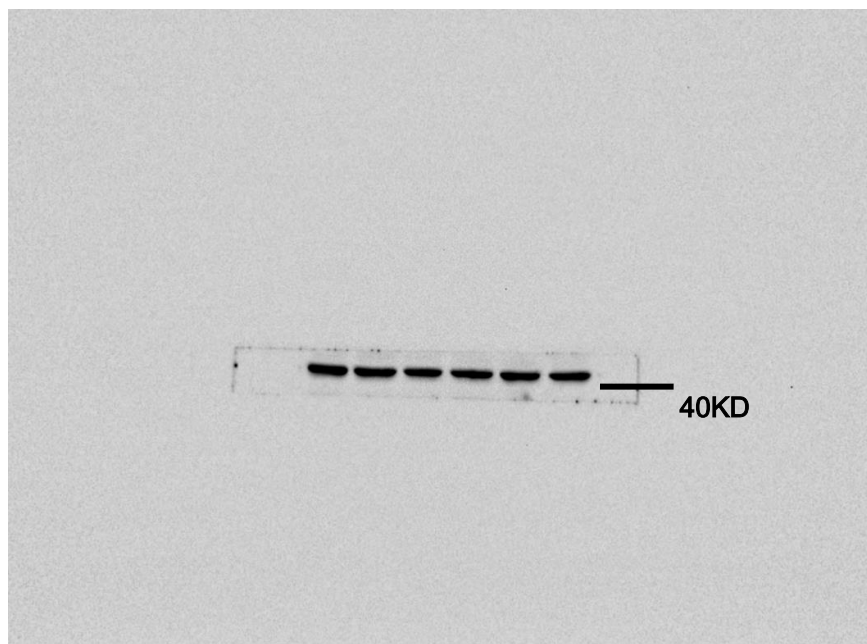
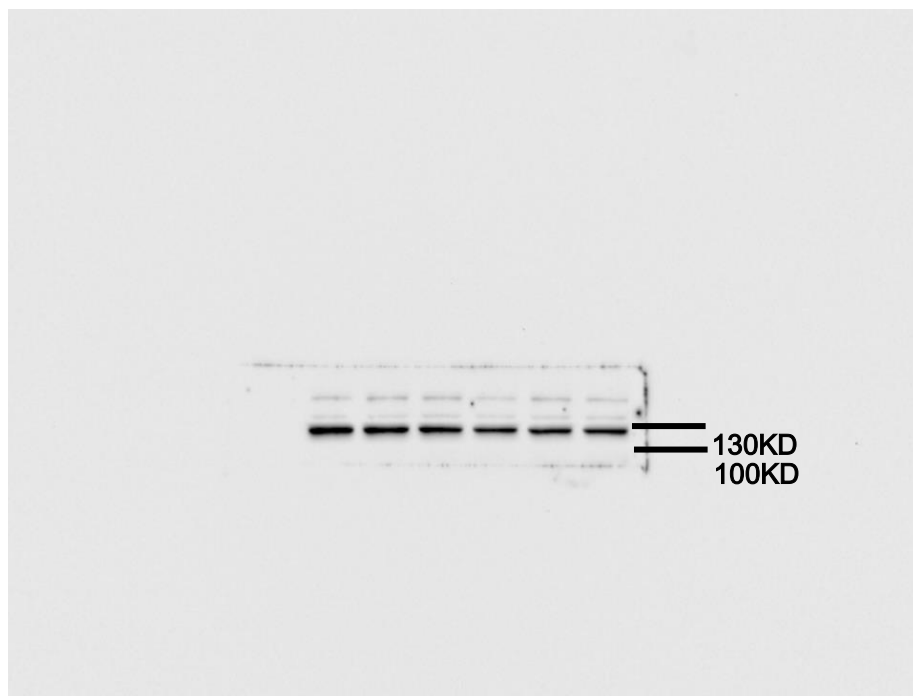


Figure S2B

From left to right: $Cp^{fl/fl}$ 1, $Cp^{fl/fl}$ 2, $Cp^{fl/fl}$ 3, $Cp^{Gfap}cKO$ 1, $Cp^{Gfap}cKO$ 2, $Cp^{Gfap}cKO$ 3
CP



β -actin

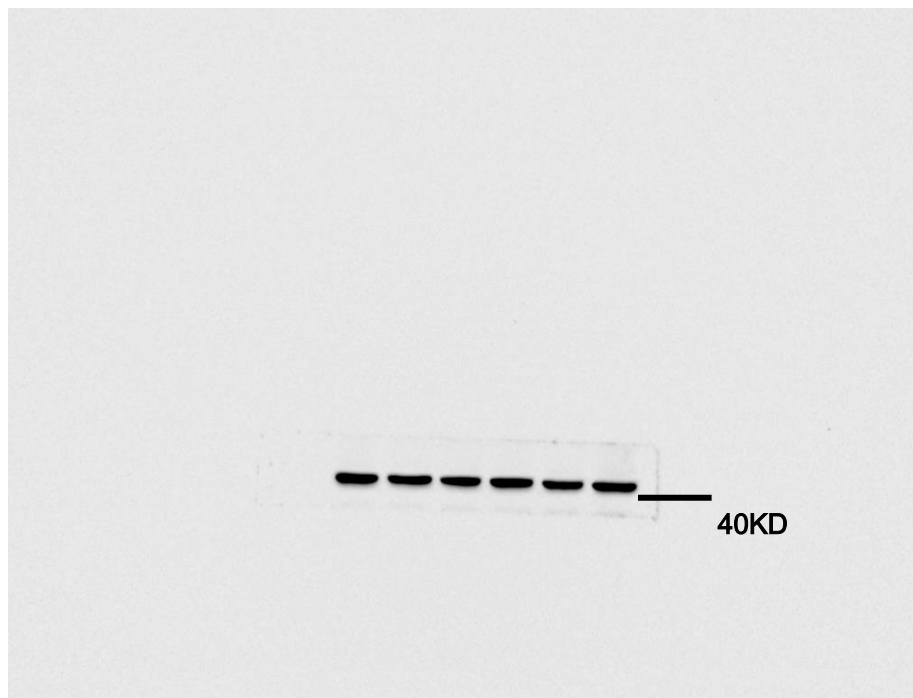
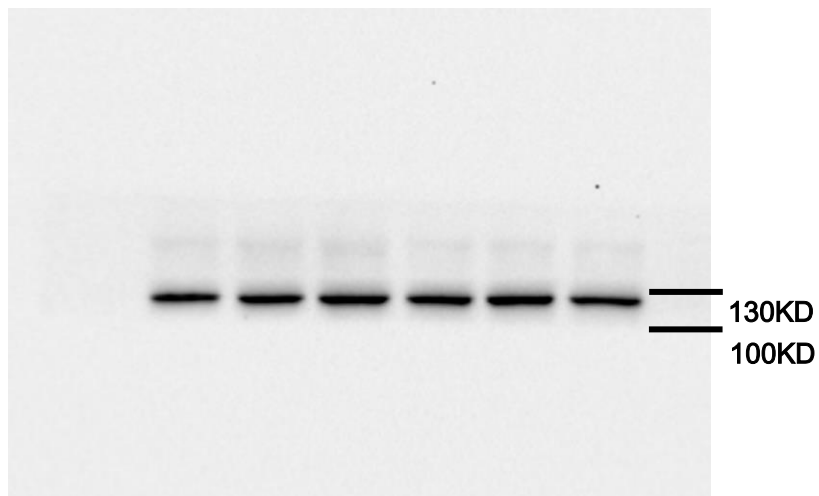


Figure S7A

From left to right: $Cp^{fl/fl}$ 1, $Cp^{fl/fl}$ 2, $Cp^{fl/fl}$ 3, $Cp^{Gfap}cKO$ 1, $Cp^{Gfap}cKO$ 2, $Cp^{Gfap}cKO$ 3
CP



GAPDH

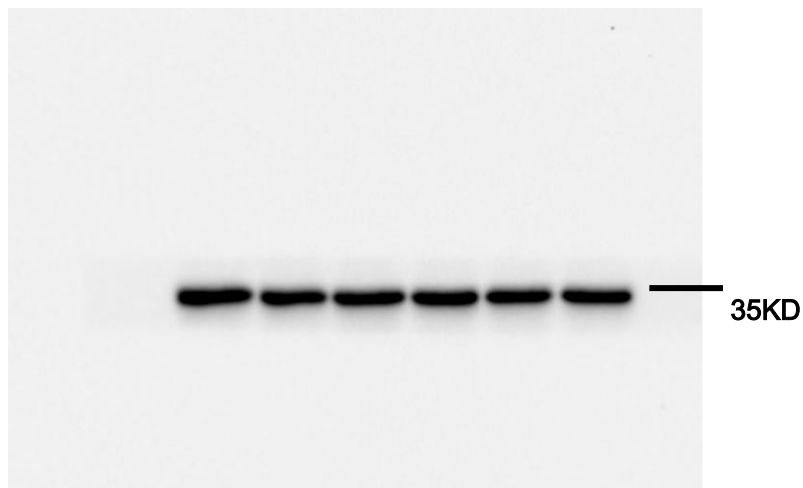


Figure S7B

CP

