

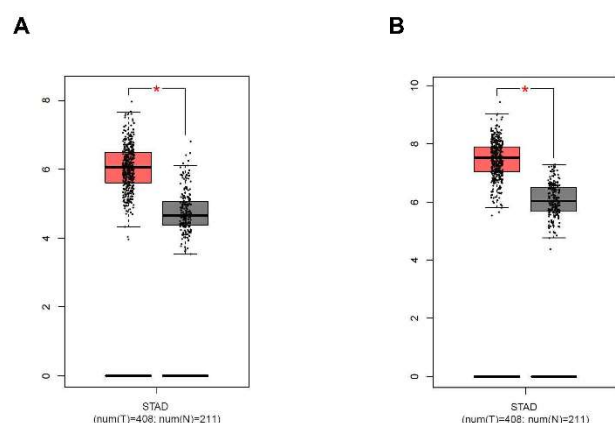


Figure S1. Expressions of SNHG16 and PTBP1 are analyzed from TCGA cancer database on UALCAN.com.

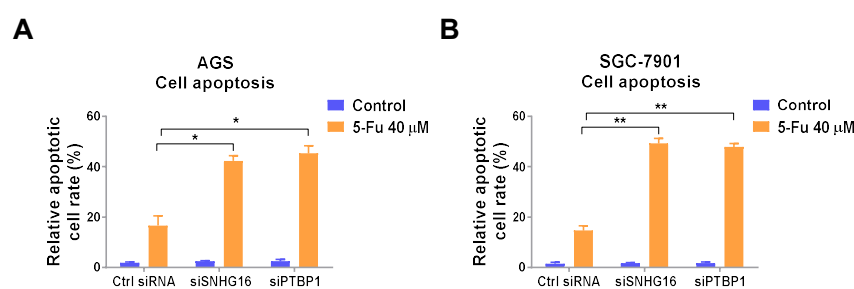


Figure S2. Quantification of Annexin V cell apoptosis results.

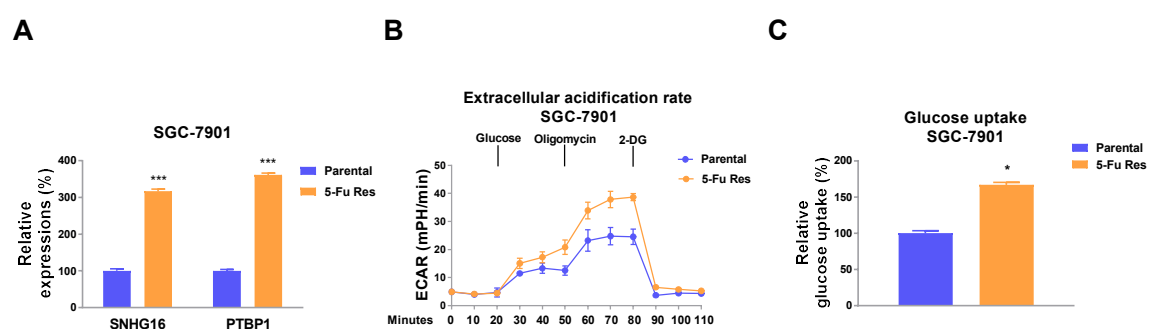


Figure S3. (A) Expressions of SNHG16 and PTBP1 were detected in SGC-7901 parental and 5-Fu resistant cells. (B) ECAR and (C) glucose uptake were examined in SGC-7901 parental and 5-Fu resistant cells.

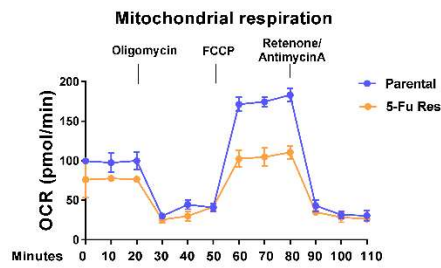


Figure S4. Measurement of the oxygen consumption rate (OCR) from AGS parental and 5-Fu resistant cells.

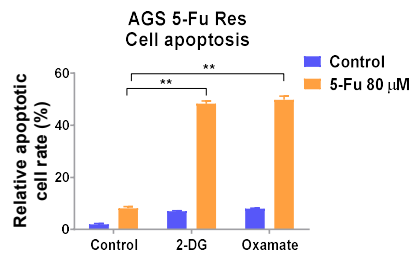


Figure S5. Quantification of Annexin V cell apoptosis results.

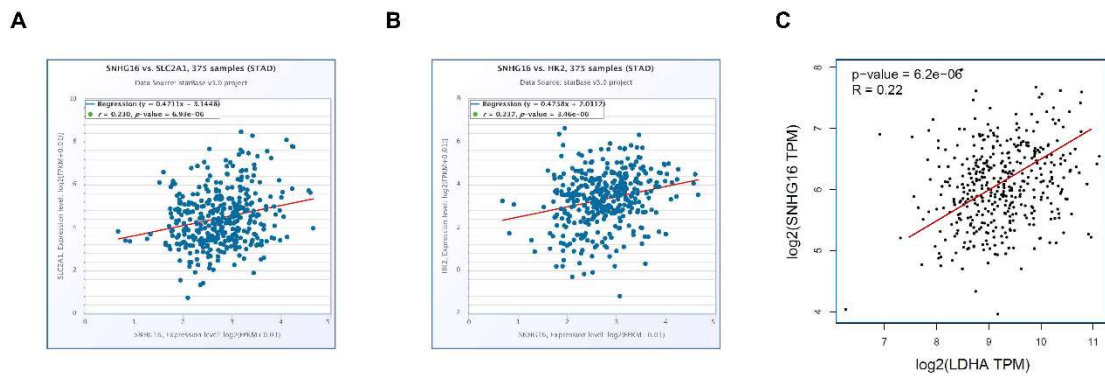


Figure S6. Pearson correlation analysis between SNHG16 and glycolysis enzymes from starBase and GEPIA.

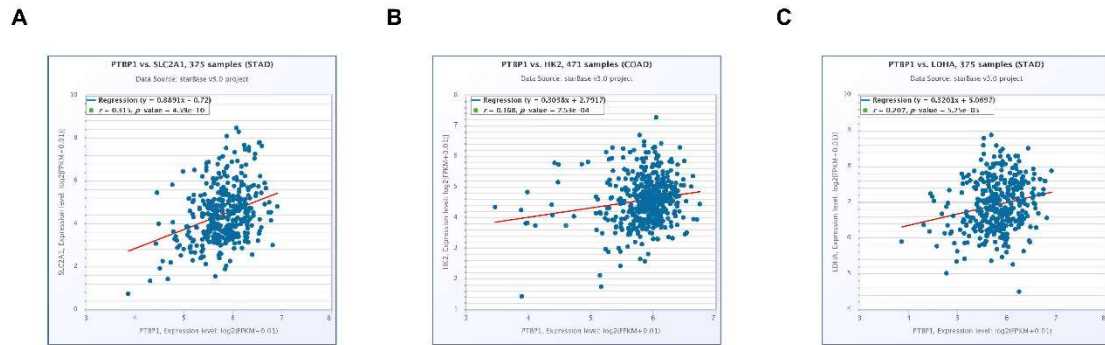


Figure S7. Pearson correlation analysis between PTBP1 and glycolysis enzymes from starBase.

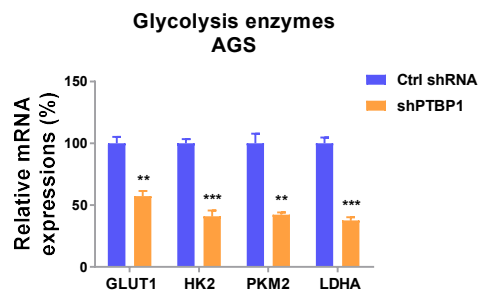


Figure S8. Effects of stably PTBP1 knockdown on the expressions of glycolysis key enzymes in AGS cells. **, $p < 0.01$; *, $p < 0.001$.**

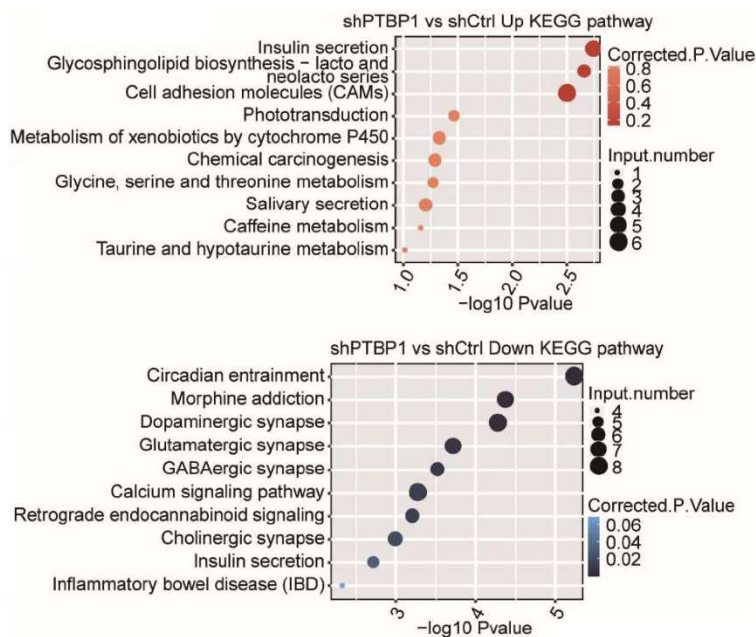


Figure S9. The top representatively upregulated and downregulated KEGG enrichment biological processes by shPTBP1.

A

The RBP-mRNA Interactions Supported by CLIP-seq Data

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Show/Hide Columns Search:

RBP	GeneID	GeneName	GeneType	ClusterNum	ClipExpNum	ClipSiteNum	HepG2(log2FC)	K562(log2FC)	Pan-Cancer
PTBP1	ENSG00000117394	SLC2A1	protein_coding	16	4	19	0.594	NA	20

Binding Region (chr1:43391828-43392086[-]) on SLC2A1:

Show 10 entries Search:

Transcript ID	Transcript Name	Binding Exon	Binding Region
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ENST00000630287	SLC2A1-208	Exon-9	3'UTR

B

The RBP-mRNA Interactions Supported by CLIP-seq Data

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RBP	GeneID	GeneName	GeneType	ClusterNum	ClipExpNum	ClipSiteNum	HepG2(log2FC)	K562(log2FC)	Pan-Cancer
PIBP1	ENSG00000159399	HK2	protein_coding	22	1	22	-0.572	NA	23

Search Search Search Search Search Search

Binding Region (chr2:75118963-75119008[+]) on HK2:

Show 10 entries Search:

Transcript ID	Transcript Name	Binding Exon	Binding Region
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ENST00000409174	HK2-202	Exon-18	3'UTR

C

The RBP-mRNA Interactions Supported by CLIP-seq Data

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RBP	GeneID	GeneName	GeneType	ClusterNum	ClipExpNum	ClipSiteNum	HepG2(log2FC)	K562(log2FC)	Pan-Cancer
PTBP1	ENSG00000134333	LDHA	protein_coding	22	4	38	1.265	1.725	18

Search Search Search Search Search Search

Binding Region (chr11:18428954-18428984[+]) on LDHA:

Show 10 entries Search:

Transcript ID	Transcript Name	Binding Exon	Binding Region
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ENST00000396222	LDHA-204	Exon-7	3'UTR
ENST00000430553	LDHA-206	Exon-7	3'UTR
ENST00000545215	LDHA-223	Exon-7	3'UTR
ENST00000227157	LDHA-201	Exon-7	3'UTR

Figure S10. Prediction of the binding of PTBP1 on 3'UTRs of glycolysis key enzymes from starBase.

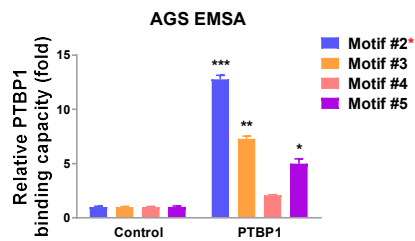


Figure S11. EMSA experiments to verify the binding capacities of predicted binding motifs.

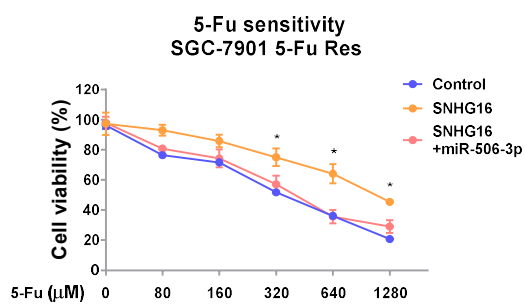


Figure S12. Roles of the SNHG16-miR-506-3p axis in 5-Fu sensitivity in SGC-7901 5-Fu resistant cells.