

[KO]GCLC Rabbit mAb

Catalog # AP75478

Product Information

Application	WB, FC, IP
Primary Accession	P48506
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	72766

Additional Information

Gene ID	2729
Other Names	GCLC
Dilution	WB~~1:500-1:1000 FC~~1:50-1:100 IP~~1:20-1:50
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	GCLC (HGNC:4311)
Synonyms	GLCL, GLCLC
Function	Catalyzes the ATP-dependent ligation of L-glutamate and L- cysteine and participates in the first and rate-limiting step in glutathione biosynthesis.

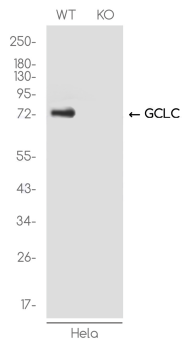
Background

Sulfur metabolism; glutathione biosynthesis; glutathione from L-cysteine and L-glutamate: step 1/2.

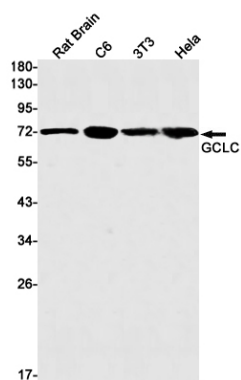
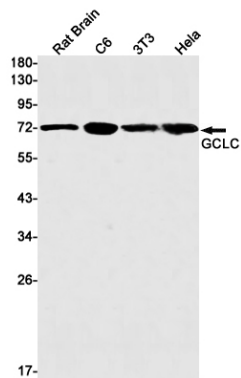
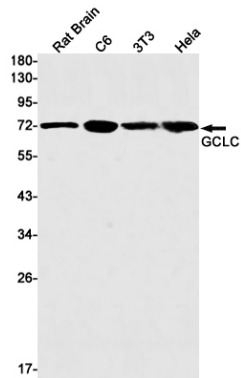
Images

Western blot analysis of GCLC in HeLa(WT) and

GCLC-Knockout HeLa(KO) using GCLC antibody.



Western blot analysis of GCLC in rat Brain, C6, 3T3, HeLa lysates using GCLC antibody.



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