

KD-Validated Anti-GCLC Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

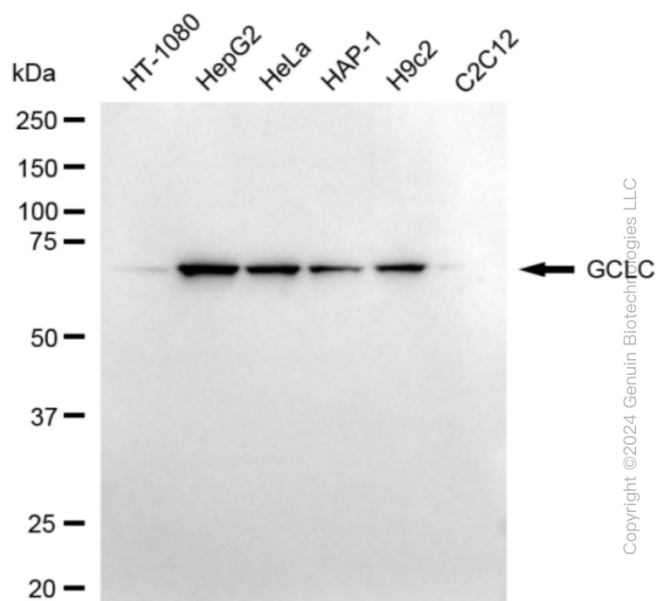
ABG1864

Product Overview

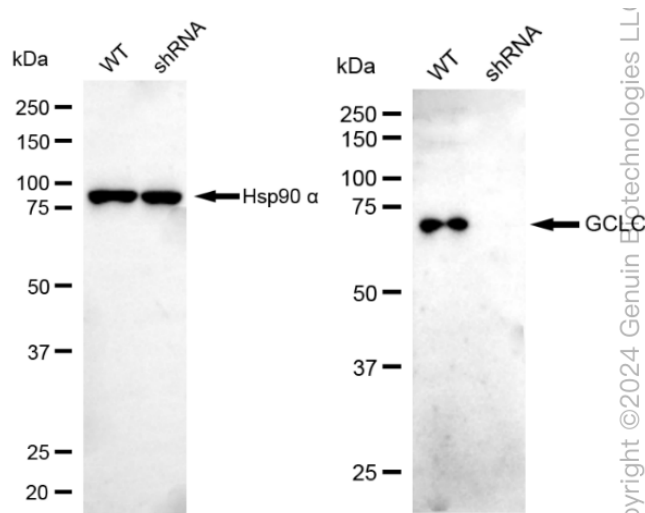
Name	KD-Validated Anti-GCLC Rabbit Monoclonal Antibody
Accession(Primary)	P48506
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	Recombinant protein of human GCLC
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted,73 kDa, observed, 73 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:100-1:1,000

Target information (P48506)

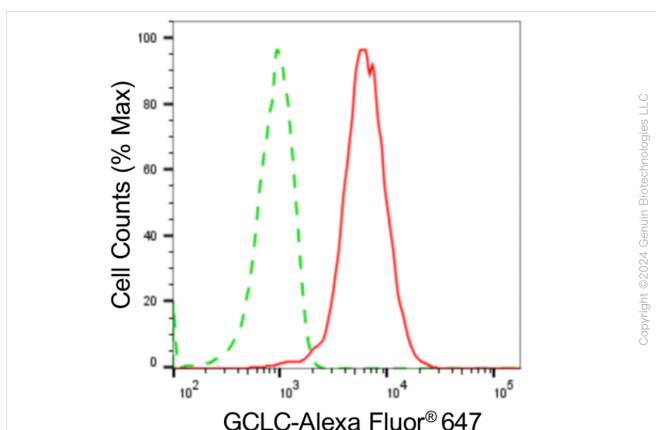
Gene Name	GCLC
About Gene Symbol	GCLC (Glutamate-Cysteine Ligase Catalytic Subunit) is a biosynthetic enzyme involved in cellular metabolism. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



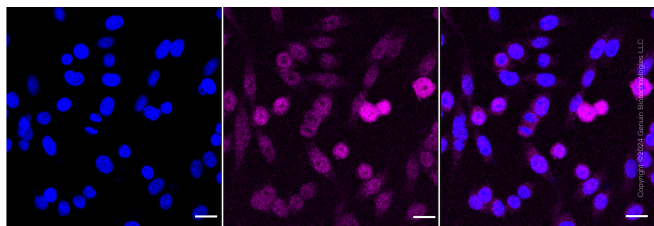
Western blotting analysis using anti-GCLC antibody (Cat#ABG1864). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-GCLC antibody (Cat#ABG1864, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-GCLC antibody (Cat#ABG1864). GCLC expression in wild type (WT) and GCLC shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-GCLC antibody (Cat#ABG1864, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of GCLC expression in HepG2 cells using anti-GCLC antibody ((Cat#ABG1864, 1:2,000). Green, isotype control; red, GCLC.



Immunocytochemical staining of HepG2 cells with anti-GCLC antibody (Cat#ABG1864, 1:1,000).

Nuclei were stained blue with DAPI; GCLC was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.