

KD-Validated Anti-Glutaminase Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

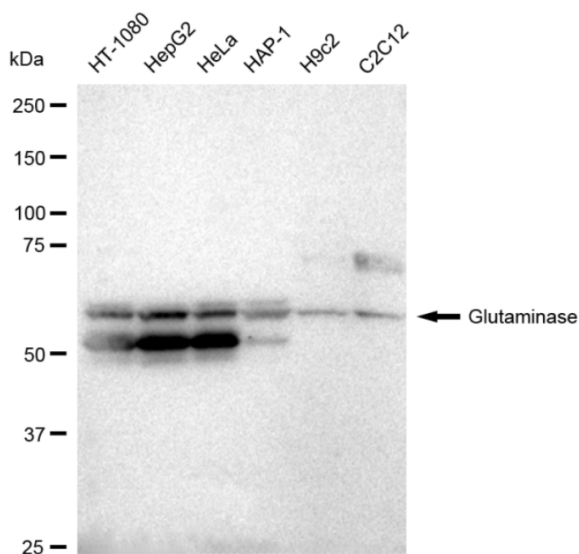
ABG1918

Product Overview

Name	KD-Validated Anti-Glutaminase Rabbit Monoclonal Antibody
Accession(Primary)	O94925
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human Glutaminase
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 73 kDa , observed, 55-65 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): 1:1,000

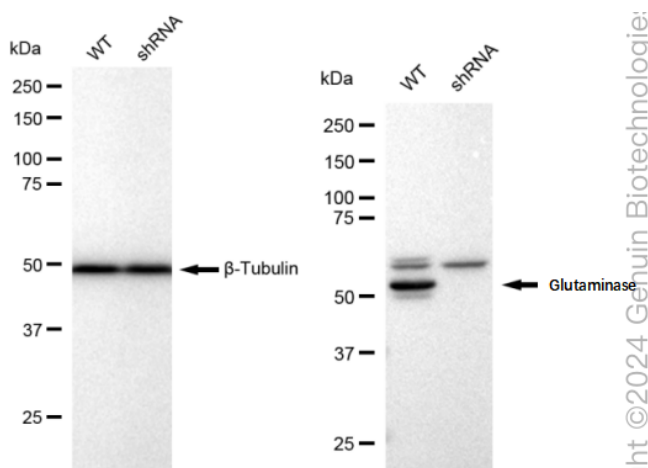
Target information (O94925)

Gene Name	GLS
About Gene Symbol	GLS (Glutaminase) is a metabolic 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.



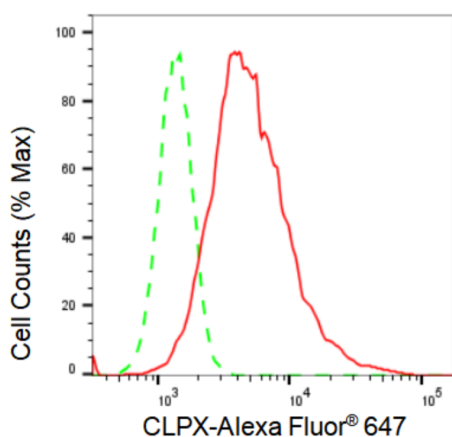
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Western blotting analysis using anti-Glutaminase antibody (Cat#ABG1918). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Glutaminase antibody (Cat#ABG1918, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



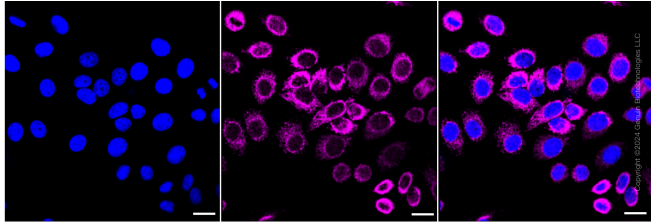
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Western blotting analysis using anti-Glutaminase antibody (Cat#ABG1918). Glutaminase expression in wild type (WT) and glutaminase shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with anti-Glutaminase antibody (Cat#ABG1918, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of Glutaminase expression in HepG2 cells using Glutaminase antibody (Cat#ABG1918, 1:2,000). Green, isotype control; red, Glutaminase.



Immunocytochemical staining of HepG2 cells with Glutaminase antibody (Cat#ABG1918, 1:1,000). Nuclei were stained blue with DAPI; Glutaminase 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 μ m.