

KD-Validated Anti-Glutamate-ammonia ligase Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

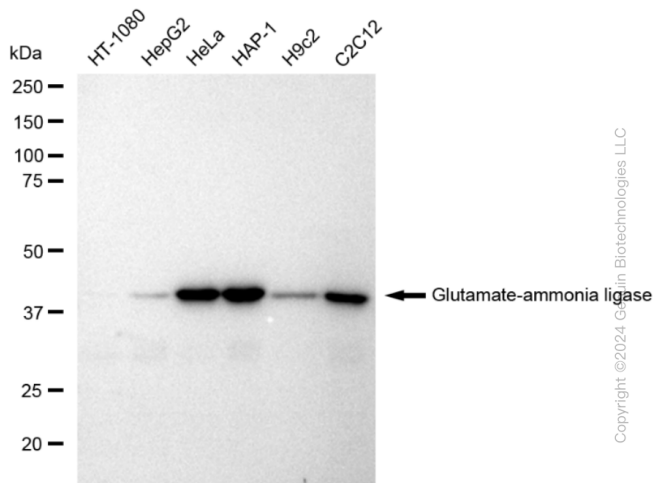
ABG1921

Product Overview

Name	KD-Validated Anti-Glutamate-ammonia ligase Rabbit Monoclonal Antibody
Accession(Primary)	P15104
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human Glutamine Synthetase
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 42 kDa , observed, 42 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

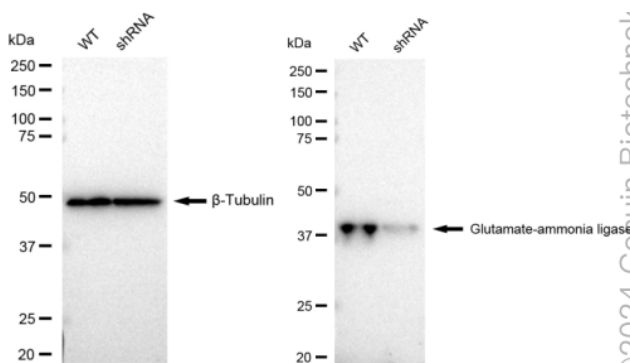
Target information (P15104)

Gene Name	GLUL
About Gene Symbol	GLUL (Glutamate-Ammonia Ligase) 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.



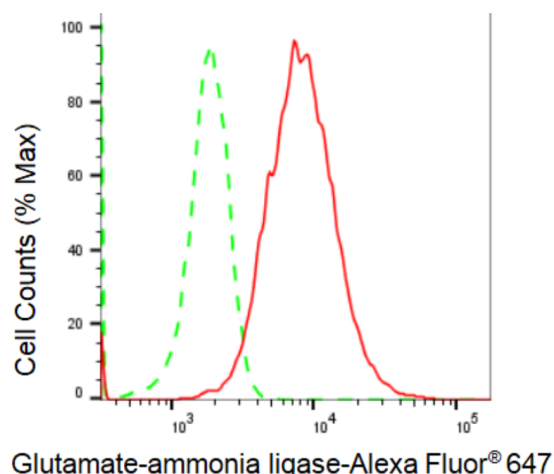
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Western blotting analysis using anti-Glutamate-ammonia ligase antibody (Cat#ABG1921). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Glutamate-ammonia ligase antibody (Cat#ABG1921, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



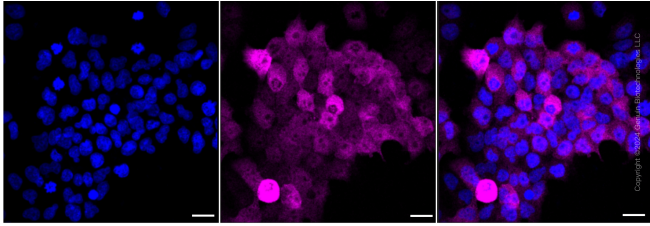
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Western blotting analysis using anti-Glutamate-ammonia ligase antibody (Cat#ABG1921). Glutamate-ammonia ligase expression in wild type (WT) and Glutamate-ammonia ligase shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with anti-Glutamate-ammonia ligase antibody (Cat#ABG1921, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of Glutamate-ammonia ligase expression in HeLa cells using Glutamate-ammonia ligase antibody (Cat#ABG1921, 1:2,000). Green, isotype control; red, Glutamate-ammonia ligase.



Immunocytochemical staining of HeLa cells with Glutamate-ammonia ligase antibody (Cat#ABG1921, 1:1,000). Nuclei were stained blue with DAPI; Glutamate-ammonia ligase 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.