

Product Name: Glutaminase Rabbit Monoclonal Antibody
Catalog #: AMRe02040

Summary

Production Name	Glutaminase Rabbit Monoclonal Antibody
Description	Recombinant Rabbit Monoclonal antibody
Host	Rabbit
Application	WB,ICC/IF,IP
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Purification	Affinity Purified

Immunogen

Gene Name	GLS
Alternative Names	Glutaminase kidney isoform; GLS; GLS1; KGA; K-glutaminase; GAM; GAC; Glutaminase C; L-glutamine amidohydrolase
Gene ID	2744
SwissProt ID	O94925

Application

Dilution Ratio	WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20
Molecular Weight	Calculated MW: 73 kDa; Observed MW: 68 kDa

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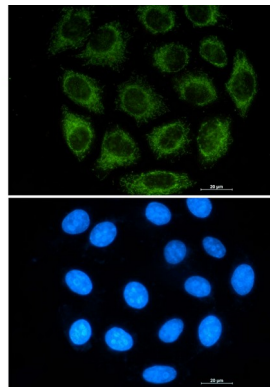
Background

Catalyzes the first reaction in the primary pathway for the renal catabolism of glutamine. Plays a role in maintaining acid-base homeostasis. Regulates the levels of the neurotransmitter glutamate in the brain. Isoform 2 lacks catalytic activity. Isoform 1 and isoform 3 are activated by phosphate. Inhibited by BPTES. BPTES binds between subunits and favors dissociation of the tetramer into dimers.

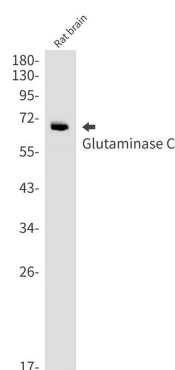
Research Area

Neuroscience

Image Data

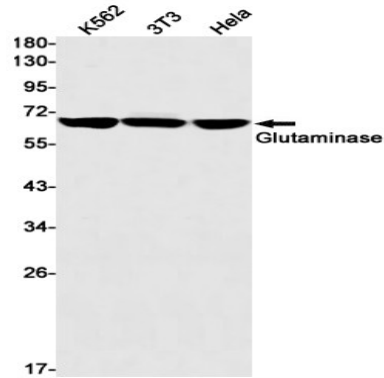


Immunocytochemistry analysis of Glutaminase (green) in A549 using Glutaminase antibody, and DAPI (blue).



Western blot analysis of Glutaminase C in rat brain lysates using Glutaminase C antibody.

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Western blot analysis of Glutaminase in K562, 3T3, HeLa lysates using Glutaminase antibody

Note

For research use only.