Product Name: Glutaminase (3F15) Rabbit Monoclonal Antibody
Catalog #: AMRe11506

Summary

Production Name	Glutaminase (3F15) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Immunogen

Gene Name	GLS
Alternative Names	Glutaminase kidney isoform; GLS; GLS1, KGA; K-glutaminase; GAM; GAC; Glutaminase C; L-glutamine amidohydrolase;
Gene ID	2744.0
SwissProt ID	O94925.

Application

Dilution Ratio	WB 1:1000-1:2000
Molecular Weight	73kDa

Product Name: Glutaminase (3F15) Rabbit Monoclonal Antibody
Catalog #: AMRe11506

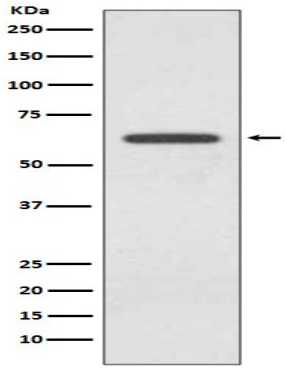
Background

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.

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, the main excitatory neurotransmitter in the brain (PubMed:30575854, PubMed:30239721, PubMed:30970188).

Research Area

Image Data



Western blot analysis of Glutaminase expression in 293T cell lysate.

Note

For research use only.