
Product Name: Glutaminase Rabbit Monoclonal Antibody**Catalog #: AMRe02040**

For research use only.

Summary

| | |
|----------------------|--|
| Description | Recombinant rabbit monoclonal antibody |
| Host | Rabbit |
| Application | WB, ICC/IF, IP |
| Reactivity | Human, Mouse, Rat |
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | IgG |
| Clonality | Monoclonal |
| Form | Liquid |
| Concentration | 0.53mg/ml. The concentration of this product may be batch-dependent. |
| Storage | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| Shipping | Ice bags |
| Buffer | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein |
| Purification | Affinity Purification |

Application

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

Antigen Information

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|--------------------------|--|
| 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 |
| Immunogen | A synthetic peptide of human Glutaminase |

Background

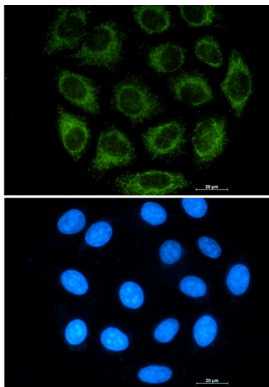
Catalyzes the first reaction in the primary pathway for the renal catabolism of glutamine. Plays a role in maintaining acid-base

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.

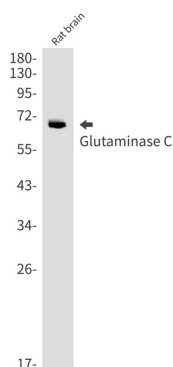
Research Area

Neuroscience

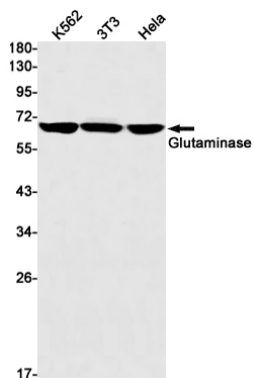
Image Data



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.



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