

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

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,FC
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.36mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	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.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:1000-1:2000,IHC 1:50-1:200,ICC/IF 1:100-1:200,FC 1:50-1:100
<b>Molecular Weight</b>	73kDa

**Antigen Information**

<b>Gene Name</b>	GLS
<b>Alternative Names</b>	Glutaminase kidney isoform; GLS; GLS1, KGA; K-glutaminase; GAM; GAC; Glutaminase C; L-glutamine amidohydrolase;
<b>Gene ID</b>	2744.0
<b>SwissProt ID</b>	O94925
<b>Immunogen</b>	A synthetic peptide of human Glutaminase

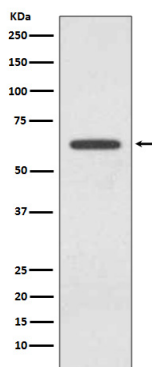
**Background**

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. 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

Neuroscience

## Image Data



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