

**Glutaminase Rabbit mAb**  
Catalog # AP75496**Specification**

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**Glutaminase Rabbit mAb - Product Information**

Application	<b>WB, IF, IP</b>
Primary Accession	<a href="#">O94925</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Monoclonal Antibody</b>
Calculated MW	<b>73461</b>

**Glutaminase Rabbit mAb - Additional Information****Gene ID** 2744**Other Names**  
GLS**Dilution**  
WB~~1/500-1/1000  
IF~~1/50-1/200  
IP~~1/20**Format**  
Liquid**Glutaminase Rabbit mAb - Protein Information****Name** GLS**Synonyms** GLS1, KIAA0838**Function**

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:<a href="http://www.uniprot.org/citations/30239721" target="\_blank">30239721</a>, PubMed:<a href="http://www.uniprot.org/citations/30575854" target="\_blank">30575854</a>, PubMed:<a href="http://www.uniprot.org/citations/30970188" target="\_blank">30970188</a>).

**Cellular Location**

[Isoform 1]: Mitochondrion {ECO:0000250|UniProtKB:P13264}. Cytoplasm, cytosol. Note=The 74-kDa cytosolic precursor is translocated into the mitochondria and processed via a 72-kDa intermediate to yield the mature 68- and 65-kDa subunits {ECO:0000250|UniProtKB:P13264} [Glutaminase kidney isoform, mitochondrial 68 kDa chain]: Mitochondrion matrix {ECO:0000250|UniProtKB:P13264} Note=Produced by the proteolytic processing of the 74-kDa cytosolic precursor. {ECO:0000250|UniProtKB:P13264}

### Tissue Location

Isoform 1 and isoform 3 are detected in brain cortex. Isoform 3 is highly expressed in astrocytoma, ganglioglioma and ependymoma. Isoform 1 is highly expressed in brain and kidney, but not detected in liver. Isoform 3 is highly expressed in heart and pancreas, detected at lower levels in placenta, lung, pancreas and kidney, but is not detected in liver. Isoform 2 is expressed in cardiac and skeletal muscle.

### Glutaminase Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Glutaminase Rabbit mAb - Images



