

## Glutaminase Rabbit mAb

Catalog No: #52311

Package Size: #52311-1 50ul #52311-2 100ul

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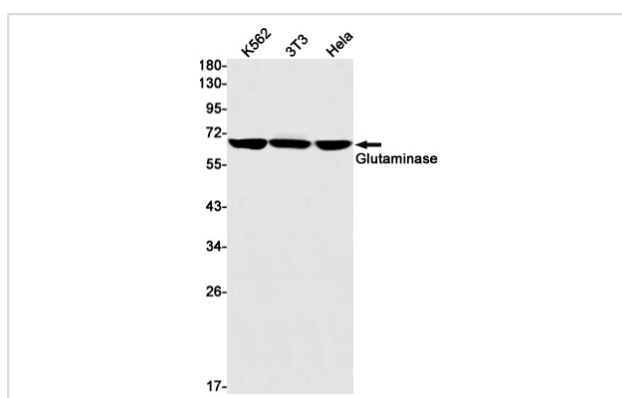
## Description

Product Name	Glutaminase Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S08-3D8
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant protein of human Glutaminase C
Conjugates	Unconjugated
Modification	Unmodification
Other Names	GAC; GAM; KGA; GLS1; AAD20
Accession No.	Swiss-Prot:O94925GeneID:2744
Uniprot	O94925
GeneID	2744
Calculated MW	Calculated MW: 65 kDa; Observed MW: 68 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Application Details

WB: 1/1000;

## Images



Western blot detection of Glutaminase in K562,3T3,HeLa cell lysates using Glutaminase Rabbit mAb(1:1000 diluted).Predicted band size:74kDa.Observed band size:68kDa.

## Background

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Swiss-Prot Acc.O94925.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.CautionIsoform 3 is predicted to be expressed at very low levels due to a premature stop codon in the mRNA, leading to nonsense-mediated mRNA decay (PubMed:14759258), but has been shown to be well expressed (PubMed:17940881 and PubMed:11015561) and the encoded protein is detected in mitochondria (PubMed:22228304).

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Note: This product is for in vitro research use only