

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

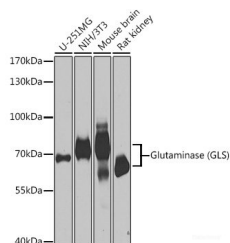
## Description

<b>Reactivity</b>	Human,Mouse,Rat
<b>Immunogen</b>	Recombinant fusion protein of human GLS
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Conjugation</b>	Unconjugated
<b>Formulation</b>	PBS with 0.05% proclin300,50% glycerol,pH7.3.

## Applications Recommended Dilution

<b>WB</b>	1:500-1:2000
<b>IF</b>	1:50-1:200

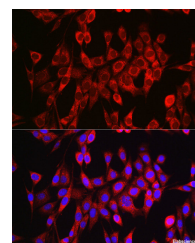
## Data



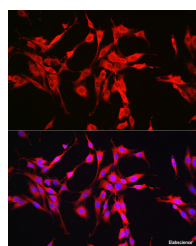
Western blot analysis of extracts of various cell lines using Glutaminase (Glutaminase (GLS)) Polyclonal Antibody at 1:1000 dilution.

**Observed Mw:65-73KDa**

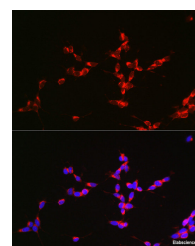
**Calculated Mw:17kDa/65kDa/73kDa**



Immunofluorescence analysis of NIH/3T3 cells using Glutaminase (GLS) Polyclonal Antibody at dilution of 1:150. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using Glutaminase (GLS) Polyclonal antibody at dilution of 1:150. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of SH-SY5Y cells using Glutaminase (GLS) Polyclonal antibody at dilution of 1:150. Blue: DAPI for nuclear staining.

## Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

## Background

This gene encodes the K-type mitochondrial glutaminase. The encoded protein is an phosphate-activated amidohydrolase that catalyzes the hydrolysis of glutamine to glutamate and ammonia. This protein is primarily expressed in the brain and

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# GLS Polyclonal Antibody

Catalog Number:E-AB-62763



kidney plays an essential role in generating energy for metabolism, synthesizing the brain neurotransmitter glutamate and maintaining acid-base balance in the kidney. Alternate splicing results in multiple transcript variants.

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