

## **Product datasheet for TA376609**

## Glutaminase (GLS) Rabbit Polyclonal Antibody

## **Product data:**

**Product Type:** Primary Antibodies

**Applications:** ICC/IF, WB

Recommended Dilution: WB,1:500 - 1:2000

IF,1:50 - 1:200

Reactivity: Human, Mouse, Rat

Modifications: Unmodified

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**Immunogen:** Recombinant fusion protein containing a sequence corresponding to amino acids 610-669 of

human Glutaminase (Glutaminase (GLS)) (NP\_055720.3).

**Formulation:** Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

**Concentration:** lot specific

**Purification:** Affinity purification

Conjugation: Unconjugated

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

**Stability:** Shelf life: one year from despatch.

**Predicted Protein Size:** 17kDa/65kDa/73kDa

**Gene Name:** glutaminase

Database Link: Entrez Gene 2744 Human

094925

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 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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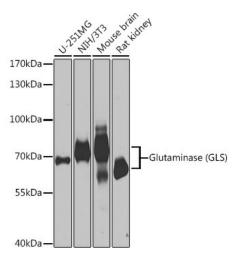
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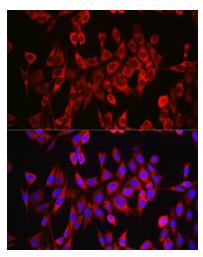
Synonyms:

AAD20; DKFZp686O15119; FLJ10358; GLS1; glutaminase; K-glutaminase; KIAA0838

## **Product images:**

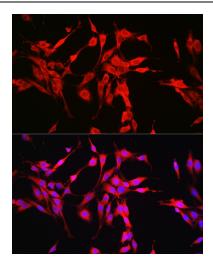


Western blot analysis of extracts of various cell lines, using Glutaminase (Glutaminase (GLS)) antibody (TA376609) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit. | Exposure time: 30s.

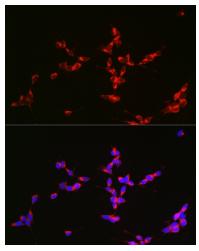


Immunofluorescence analysis of NIH/3T3 cells using Glutaminase (GLS) antibody (TA376609) at dilution of 1:150. Blue: DAPI for nuclear staining.





Immunofluorescence analysis of PC-12 cells using Glutaminase (GLS) antibody (TA376609) at dilution of 1:150. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of SH-SY5Y cells using Glutaminase (GLS) antibody (TA376609) at dilution of 1:150. Blue: DAPI for nuclear staining.