

**Glutamine Synthetase (GLUL) polyclonal antibody**

Catalog: BS80368

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The protein encoded by this gene belongs to the glutamine synthetase family. It catalyzes the synthesis of glutamine from glutamate and ammonia in an ATP-dependent reaction. This protein plays a role in ammonia and glutamate detoxification, acid-base homeostasis, cell signaling, and cell proliferation. Glutamine is an abundant amino acid, and is important to the biosynthesis of several amino acids, pyrimidines, and purines. Mutations in this gene are associated with congenital glutamine deficiency, and overexpression of this gene was observed in some primary liver cancer samples. There are six pseudogenes of this gene found on chromosomes 2, 5, 9, 11, and 12. Alternative splicing results in multiple transcript variants.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

42KDa

Swiss-Prot:

P15104

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB, 1:500 - 1:2000 | IF/ICC, 1:50 - 1:200

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Modification:

Unmodification

DATA:

Western blot analysis of various lysates, using Glutamine Synthetase antibody at 1:400 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.

Immunofluorescence analysis of HeLa cells using [KO Validated] Glutamine Synthetase Rabbit pAb at dilution of 1:100. Blue: DAPI for nuclear staining.

Immunofluorescence analysis of NIH/3T3 cells using [KO Validated] Glutamine Synthetase Rabbit pAb at dilution of 1:100. Blue: DAPI for nuclear staining.

Immunofluorescence analysis of PC-12 cells using [KO Validated] Glutamine Synthetase Rabbit pAb at dilution of 1:100. Blue: DAPI for nuclear staining.

Note:

For research use only, not for use in diagnostic procedure.

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