

Glutamine Synthetase polyclonal antibody

Catalog: BZ00935

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Glutamine synthetase (GI Syn) forms a homooctamer that serves as a catalyst for the amination of glutamic acid to form glutamine. This enzyme is a marker for astrocytes, which serve as the primary site of conversion of glutamic acid to glutamine in the brain. Induction of glutamine synthetase is seen upon astrocyte cell contact with neurons. Elevated expression of glutamine synthetase in glial cells has been shown to protect neurons from degeneration due to excess glutamate. Glutamine synthetase is also present in the liver and is involved in nitrogen homeostasis. Overexpression of glutamine synthetase has been shown in primary liver cancers, indicating a potential role for glutamine synthetase in hepatocyte transformation.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 49 kDa

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

IHC: 1:50-1:200

IP/FC: 1:50

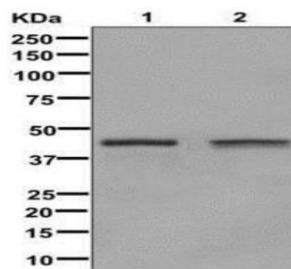
Storage&Stability:

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

Specificity:

Glutamine Synthetase Antibody detects endogenous levels of total Glutamine Synthetase.

DATA:



Western blot analysis of Glutamine Synthetase expression in (1) Jurkat cell lysate; (2) HeLa cell lysate.

Immunohistochemical analysis of paraffin-embedded human liver, using Glutamine Synthetase Antibody.

Note:

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

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