

## GLUL monoclonal antibody

Catalog: MB22986

Host: Mouse

Reactivity: Human, Mouse

### 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:

Purified antibody in PBS with 0.05% sodium azide

### Molecular Weight:

42kDa

### Swiss-Prot:

P15104

### Purification&Purity:

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

### Applications:

WB:1/500 - 1/2000 IHC:1/200-1/1000 FC:1/200-1/400

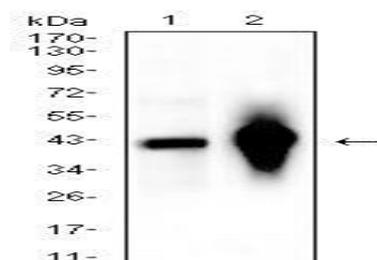
### Storage&Stability:

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

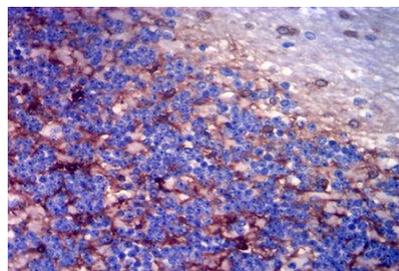
### Isotype:

Mouse IgG1

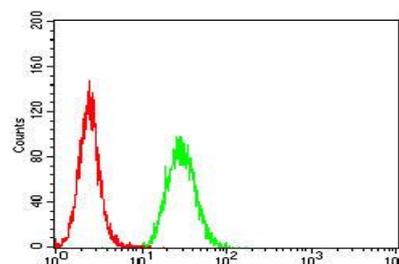
### DATA:



Western blot analysis using GLUL mouse mAb against Jurkat (1), and mouse liver (2) cell lysate.



Immunohistochemical analysis of paraffin-embedded human cerebellar tissues using GLUL mouse mAb with DAB staining.



Flow cytometric analysis of HeLa cells using GLUL mouse mAb (green) and negative control (red).

### Note:

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

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