BT LAB
Bioassay Technology Laboratory
Optimize Your Research

GLUL Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4238
Host	Mouse
Isotype	Mouse IgG1
Size	100μL, 50μL
Immunogen	Purified recombinant fragment of human GLUL (AA: 2-121) expressed in E. Coli.
Mol wt	42kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	WB,IHC,ICC,FCM
Concentration	N/A
Full name	N/A
Synonyms	GS;GLNS;PIG43;PIG59

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

Recommended Dilution

WB: 1:500 - 1:2000

IHC-p: 1:200-1:1000

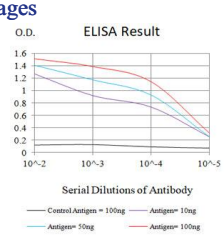
ICC: 1:200 - 1:1000

FCM: 1:200-1:400

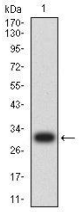
ELISA: 1:10000

Not yet tested in other applications.

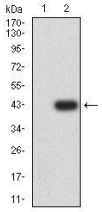
Images



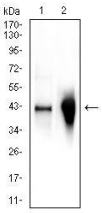
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



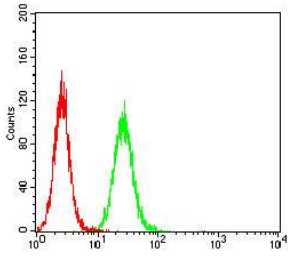
Western blot analysis using GLUL mAb against human GLUL (AA: 2-121) recombinant protein. (Expected MW is 30.7 kDa)



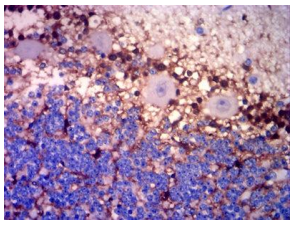
Western blot analysis using GLUL mAb against HEK293-6e (1) and GLUL (AA: 2-121)-hIgGFc transfected HEK293-6e (2) cell lysate.



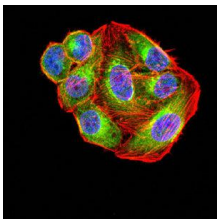
Western blot analysis using GLUL mouse mAb against Jurkat (1), and mouse liver (2) cell lysate.



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



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



Immunofluorescence analysis of hela cells using GLUL mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com