

For Research Use Only

Glutamine Synthetase Monoclonal antibody

Catalog Number: 66323-2-Ig

Featured Product

2 Publications



Basic Information

Catalog Number: 66323-2-Ig	GenBank Accession Number: BC011700	Purification Method: Protein A purification
Size: 150ul , Concentration: 1300 ug/ml by 2752 Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2752	CloneNo.: 1B6G4
Source: Mouse	UNIPROT ID: P15104	Recommended Dilutions: WB 1:500-1:2000 IHC 1:2500-1:10000 IF-P 1:200-1:800 IF-Fro 1:200-1:800
Isotype: IgG1	Full Name: glutamate-ammonia ligase (glutamine synthetase)	
Immunogen Catalog Number: AG6309	Calculated MW: 374 aa, 42 kDa	
	Observed MW: 42 kDa	

Applications

Tested Applications:
WB, IHC, IF-P, IF-Fro, FC (Intra), ELISA

Cited Applications:
IF

Species Specificity:
human, mouse, rat

Cited Species:
rat, canine

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : Jurkat cells,

IHC : human liver cancer tissue, human liver tissue, mouse liver tissue, rat liver tissue

IF-P: mouse liver tissue, mouse brain tissue

IF-Fro : mouse liver tissue,

Notable Publications

Author	Pubmed ID	Journal	Application
Yuxue Mu	39254570	Neural Regen Res	IF
Yu Huan	36204864	Neural Regen Res	IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

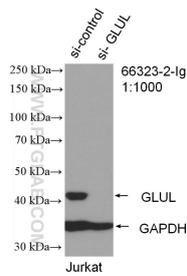
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

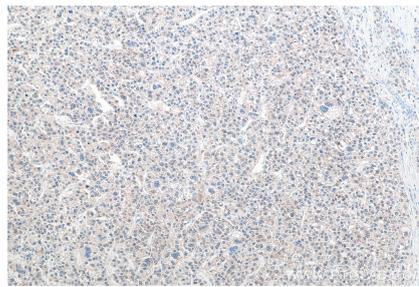
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

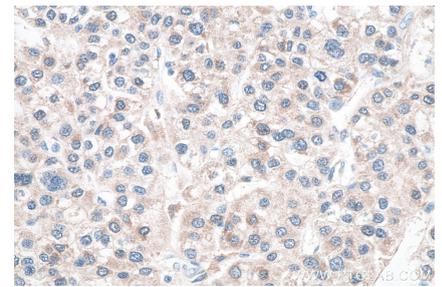
Selected Validation Data



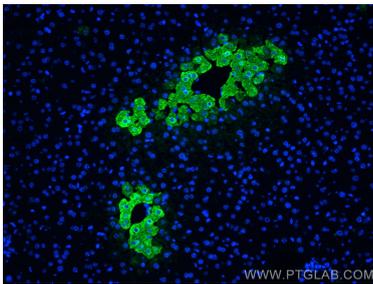
WB result of Glutamine synthetase antibody (66323-2-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Glutamine synthetase transfected Jurkat cells.



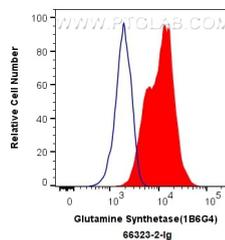
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66323-2-Ig (Glutamine Synthetase antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



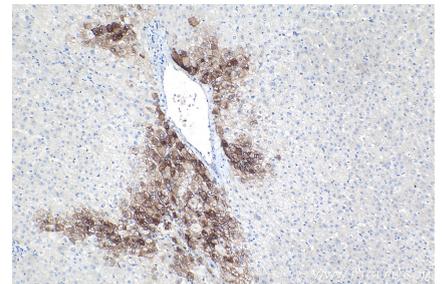
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66323-2-Ig (Glutamine Synthetase antibody) at dilution of 1:5000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



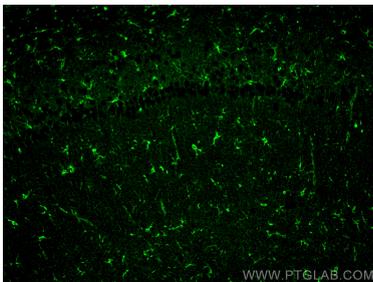
Immunofluorescent analysis of (4% PFA) fixed mouse liver tissue using Glutamine Synthetase antibody (66323-2-Ig, Clone: 1B6G4) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



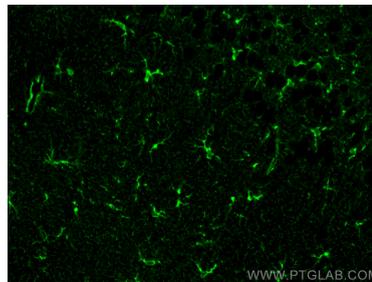
1×10^6 HepG2 cells were intracellularly stained with 0.4 ug Anti-Human Glutamine Synthetase (66323-2-Ig, Clone: 1B6G4) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



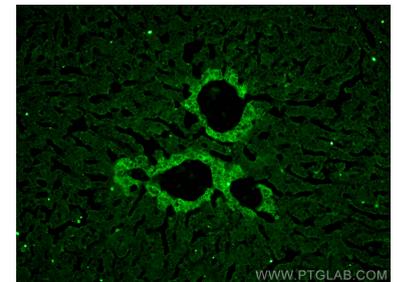
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66323-2-Ig (Glutamine Synthetase antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using Glutamine Synthetase antibody (66323-2-Ig, Clone: 1B6G4) at dilution of 1:800 and Multi-rAb CoraLite @ Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using Glutamine Synthetase antibody (66323-2-Ig, Clone: 1B6G4) at dilution of 1:800 and Multi-rAb CoraLite @ Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed frozen OCT-embedded mouse liver tissue using 66323-2-Ig (Glutamine Synthetase antibody) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).