

À des fins de recherche uniquement

Anticorps Monoclonal anti-Glutamine Synthetase



Numéro de catalogue: 66323-1-Ig

Phare

4 Publications

Informations de base

Numéro de catalogue: 66323-1-Ig	Numéro d'acquisition GenBank: BC011700	Méthode de purification: Purification par protéine A
Taille: 150ul , Concentration: 1100 µg/ml by 2752 Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 2752	CloneNo.: 1D10G8
Hôte: Mouse	Nom complet: glutamate-ammonia ligase (glutamine synthetase)	Dilutions recommandées: WB 1:1000-1:8000 IHC 1:50-1:500 IF 1:50-1:500
Isotype: IgG2b	MW calculé 374 aa, 42 kDa	
Immunogen Catalog Number: AG6309	MW observés: 42 kDa	

Applications

Applications testées:

IF, IHC, WB, ELISA

Demands citées:

IF, WB

Spécificité de l'espèce:

Humain, porc

Espèces citées:

Humain, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) A défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules Jurkat, tissu cérébral de porc, tissu hépatique de porc

IHC : tissu de cancer du foie humain, tissu cérébral humain

IF : tissu cérébral humain,

Informations générales

GLUL (Glutamine synthetase) is also named as GS, GLNS and belongs to the glutamine synthetase family. This enzyme has 2 functions: it catalyzes the production of glutamine and 4-aminobutanoate (gamma-aminobutyric acid, GABA), the latter in a pyridoxal phosphate-independent manner. By similarity, Essential for proliferation of fetal skin fibroblasts (PMID:18662667). Defects in GLUL are the cause of congenital systemic glutamine deficiency (CSGD). Organismal glutamine production is augmented secondary to an increase in the activity of glutamine synthetase in the lung and skeletal muscle (PMID:7630137). There are other bands with higher (66 kDa, 97 kDa) and lower (30 kDa) molecular weights also detected besides the 42 kDa band indicating the proteolysis of GLUL protein by the ubiquitin system (PMID:10091759).

Publications notables

Autrice	Pubmed ID	Journal	Application
Emily-Rose Martin	36339621	Front Pharmacol	WB
Qizhi Wang	36216131	Pharmacol Res	WB
Matthew J Broadhead	35305541	Acta Neuropathol	IF

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

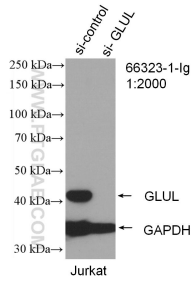
For technical support and original validation data for this product please contact:

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

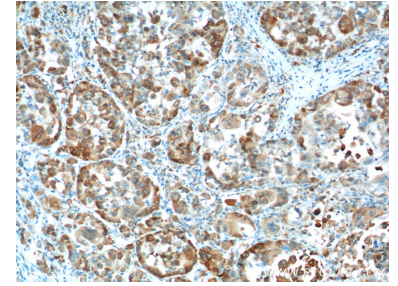
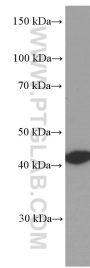
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Données de validation sélectionnées

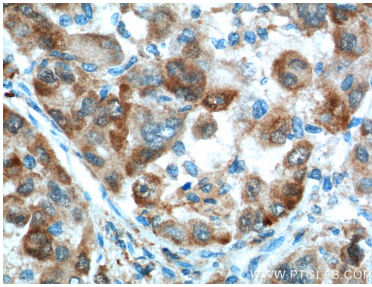


WB result of Glutamine synthetase antibody (66323-1-Ig; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Glutamine synthetase transfected Jurkat cells.

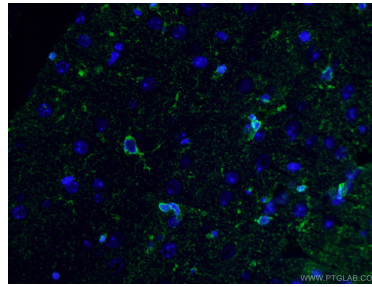
Jurkat cells were subjected to SDS PAGE followed by western blot with 66323-1-Ig (Glutamine synthetase Antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66323-1-Ig (Glutamine synthetase Antibody) at dilution of 1:200 (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 66323-1-Ig (Glutamine synthetase Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human brain tissue using 66323-1-Ig (Glutamine synthetase antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).