À des fins de recherche uniquement

Anticorps Monoclonal anti-GLUD1

Numéro de catalogue:67026-1-Ig

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Informations de base

Numéro de catalogue:
67026-1-Ig

Taille:
150ul , Concentration: 2000 μg/ml by Nanodrop and 1000 μg/ml by Bradford method using BSA as the standard;

Hôte:
Mouse

Isotype:
IgG2b

Immunogen Catalog Number:
AG6179

Numéro d'acquisition GenBank:
BC040132

Identification du gène (NCBI):
2746

Nom complet:
glutamate dehydrogenase 1

MW calculé
61 kDa

MW observés:
45-55 kDa

Méthode de purification:
Purification par protéine A

CloneNo.:
4G10D3

Dilutions recommandées:
WB 1:5000-1:50000
IHC 1:500-1:2000
IF 1:200-1:800

Applications

Applications testées:
IF, IHC, WB,ELISA

Spécificité de l'espèce:
Humain, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HeLa, cellules HepG2, cellules HSC-T6, cellules HuH-7, cellules L02, cellules NIH/3T3

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

IF : tissu de cancer du foie humain,

Informations générales

Human glutamate dehydrogenase (GDH), an enzyme central to the metabolism of glutamate, is known to exist in housekeeping and nerve tissue-specific isoforms encoded by the GLUD1 and GLUD2 genes, respectively. It catalyses the reversible inter-conversion of glutamate to alpha-ketoglutarate and ammonia, thus interconnecting amino acid and carbohydrate metabolism. GLUD1 might contribute to the formation of specific synapses in the hippocampus such as those formed by the projecting neurons of the entorhinal cortex(PMID: 22138648). GLUD1 has a calculated molecular mass of 61 kDa and an apparent molecular mass of 45-55 kDa with the 53aa transit peptide removed.

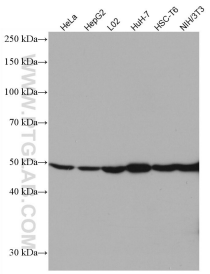
Stockage

Stockage:
Stocker à -20 °C.
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

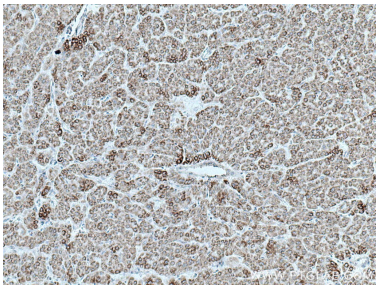
***** Les 20ul contiennent 0,1% de BSA.**

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

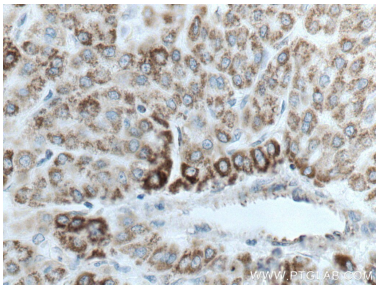
Données de validation sélectionnées



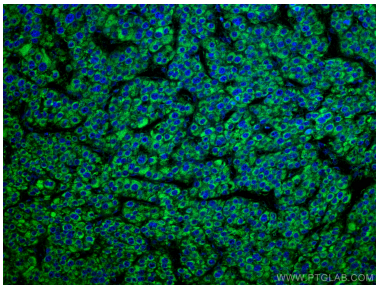
Various lysates were subjected to SDS PAGE followed by western blot with 67026-1-Ig (GLUD1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



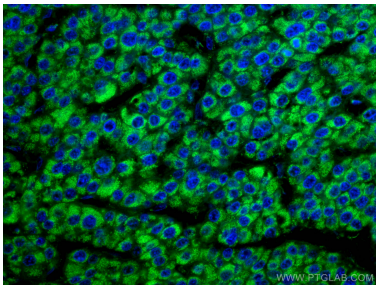
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67026-1-Ig (GLUD1 antibody) at dilution of 1:1000 (under 10x lens) proteolytic pre-treatment mediated antigen retrieved with Tris-EDTA buffer (pH9).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67026-1-Ig (GLUD1 antibody) at dilution of 1:1000 (under 40x lens) proteolytic pre-treatment mediated antigen retrieved with Tris-EDTA buffer (pH9).



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using GLUD1 antibody (67026-1-Ig, Clone: 4G10D3) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using GLUD1 antibody (67026-1-Ig, Clone: 4G10D3) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).