À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-GLAST

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Antibodies | ELISA kits | Proteins
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Numéro de catalogue:20785-1-AP 20 Publications

Informations de base

Numéro de catalogue:
20785-1-AP

Taille:
150ul , Concentration: 500 μg/ml by Nanodrop and 360 μg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG14177

Numéro d'acquisition GenBank:
BC037310

Identification du gène (NCBI):
6507

Nom complet:
solute carrier family 1 (glial high affinity glutamate transporter), member 3

MW calculé
542 aa, 60 kDa

MW observés:
50-55 kDa, 90-100 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:500-1:2000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
IHC 1:20-1:200
IF 1:200-1:800

Applications

Applications testées:
FC, IF, IHC, IP, WB, ELISA

Demandes citées:
CoIP, IF, IHC, IP, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, rat, souris, Vache

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 Neuro-2a, cellules C6, tissu cérébral de souris

IP : tissu cérébral de souris,

IHC : tissu cérébral humain, tissu cérébral de souris

IF : cellules Neuro-2a,

Informations générales

SLC1A3, also known as EAAT-1 or GLAST, is a membrane-bound protein localized in glial cells and pre-synaptic glutamatergic nerve endings. It transports the excitatory neurotransmitters L-glutamate and D-aspartate, which is essential for terminating the postsynaptic acction of glutamate. Recently, a correlation between expression/function of glial EAAT-1 and tumor proliferation has been reported. The exceptionally rare expression of EAAT-1 in non-neoplastic choroid plexus (CP) compared to choroid plexus tumors (CPT) may distinguishes neoplastic from normal CP. There are a number of splicing variants of SLC1A3, like GLAST1a and GLAST1b, exist due to the exon skipping. It also undergo glycosylation. Variety of bands can be observed in the western blotting assay: 50-55 kDa represents the unglycosylated GLAST1a or GLAST1b, 65-70 kDa correspond to the glycosylated proteins, larger proteins between 90-130 kDa may be the multimers of SLC1A3. (11086157, 17471058, 12546822)

Publications notables

Autrice	Pubmed ID	Journal	Application
Wenlong Zhang	33093440	Cell Death Dis	WB
Ziyi Zhou	36295111	Life (Basel)	IF
Di Qu	36254458	ACS Chem Neurosci	WB,IF

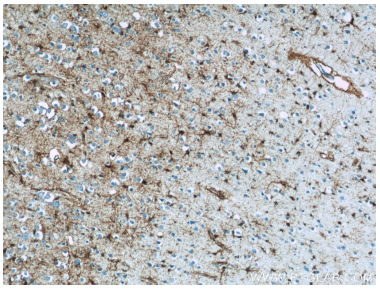
Stockage

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

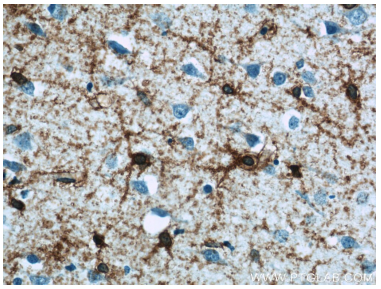
*** Les 20ul contiennent 0,1% de BSA.

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

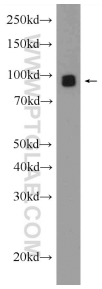
Données de validation sélectionnées



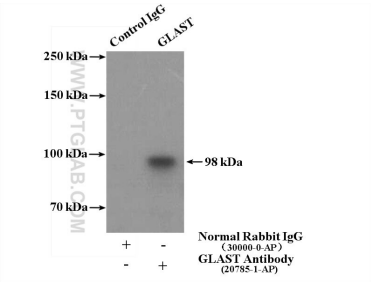
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 20785-1-AP (GLAST antibody at dilution of 1:50 (under 10x lens).



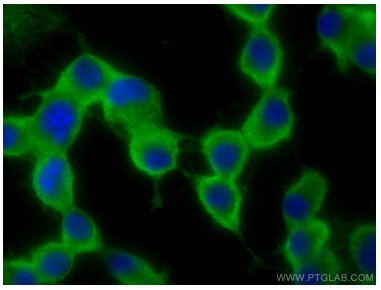
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 20785-1-AP (GLAST antibody at dilution of 1:50 (under 40x lens).



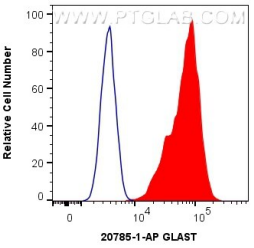
Neuro-2a cells were subjected to SDS PAGE followed by western blot with 20785-1-AP (GLAST antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP Result of anti-GLAST (IP:20785-1-AP, 4ug; Detection:20785-1-AP 1:500) with mouse brain tissue lysate 3000ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed Neuro-2a cells using GLAST antibody (20785-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10^6 Neuro-2a cells were intracellularly stained with 0.4 ug Anti-Human GLAST (20785-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).