À des fins de recherche uniquement

Anticorps Monoclonal anti-UCHL1/PGP9.5

proteintech®
Antibodies | ELISA kits | Proteins
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Numéro de catalogue:66230-1-Ig Phare 6 Publications

Informations de base

Numéro de catalogue:
66230-1-Ig

Taille:
150ul , Concentration: 2200 μg/ml by Nanodrop and 1500 μg/ml by Bradford method using BSA as the standard;

Hôte:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG6547

Numéro d'acquisition GenBank:
BC000332

Identification du gène (NCBI):
7345

Nom complet:
ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase)

MW calculé
25 kDa

MW observés:
27 kDa

Méthode de purification:
Purification par protéine A

CloneNo.:
1C9E11

Dilutions recommandées:
WB 1:20000-1:100000
IHC 1:4000-1:16000
IF 1:200-1:800

Applications

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

Demandes citées:
IF, IHC, WB

Spécificité de l'espèce:
Humain, porc, rat, souris

Espèces citées:
Humain, porc, 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 Neuro-2a, cellules PC-12, cellules Y79, tissu cérébral de porc, tissu cérébral de rat, tissu cérébral de souris, tissu cérébral humain fœtal, tissu de cervelet de porc, tissu de cervelet de rat, tissu de cervelet de souris

IHC : tissu de cervelet de souris, tissu de cervelet de rat

IF : cellules SH-SY5Y,

Informations générales

Ubiquitin C-terminal hydrolase L1 (UCHL1) was originally identified as a neuronal protein that accounts for nearly 2% of total brain proteins. UCHL1 activity protects neurons from hypoxic injury, and binding of stroke-induced reactive lipid species to the cysteine 152 (C152) of UCHL1 unfolds the protein and disrupts its function. Reduced hydrolytic activity of mutant UCHL1 is implicated in the pathophysiologic process of Parkinson's and Alzheimer's disease due to abnormal neurotoxic protein aggregation. (PMID: 31356902, PMID: 30760601)

Publications notables

Autrice	Pubmed ID	Journal	Application
Xin Zhao	34752678	Reprod Domest Anim	WB, IF
Yumei Luo	27250983	Dig Dis Sci	IF
Xi-Sha Chen	32042339	Theranostics	WB

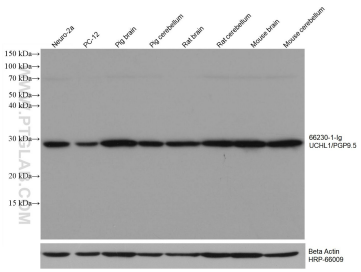
Stockage

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

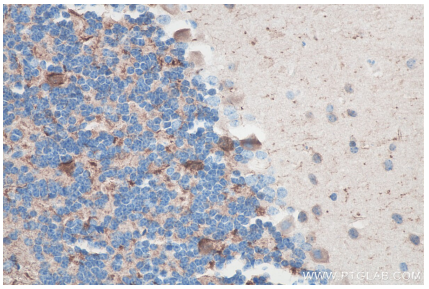
*** Les 20ul contiennent 0,1% de BSA.

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

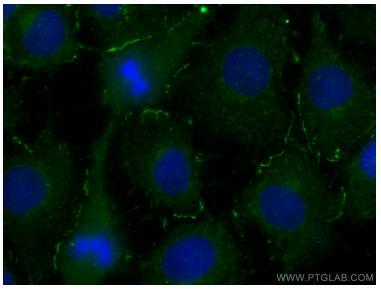
Données de validation sélectionnées



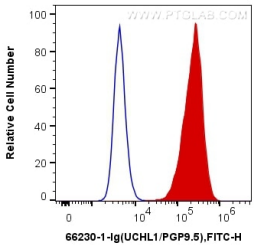
Various lysates were subjected to SDS PAGE followed by western blot with 66230-1-Ig (UCHL1 antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 66230-1-Ig (UCHL1/PGP9.5 antibody) at dilution of 1:8000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using UCHL1 antibody (66230-1-Ig, Clone: 1C9E11) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1X10^6 Y79 cells were intracellularly stained with 0.2 ug Anti-Human UCHL1/PGP9.5 (66230-1-Ig, Clone:1C9E11) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).