

For Research Use Only

CoraLite®594-conjugated UCH-L1/PGP9.5 Polyclonal antibody

Catalog Number: CL594-14730

Featured Product

1 Publications



Basic Information

Catalog Number:

CL594-14730

Concentration:

500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6490

GenBank Accession Number:

BC000332

GeneID (NCBI):

7345

UNIPROT ID:

P09936

Full Name:

ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase)

Calculated MW:

25 kDa

Observed MW:

27 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF-P: 1:50-1:500

FC (Intra): 0.40 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF-P, FC (Intra)

Cited Applications:

IF

Species Specificity:

human, mouse, rat

Positive Controls:

IF-P: mouse brain tissue,

FC (Intra): Y79 cells,

Background Information

UCHL1 (Ubiquitin carboxyl-terminal hydrolase isozyme L1) is a member of a gene family whose products hydrolyze small C-terminal adducts of ubiquitin to generate the ubiquitin monomer. Expression of UCHL1 is highly specific to neurons and to cells of the diffuse neuroendocrine system and their tumors. It is present in all neurons (PMID: 6343558). This protein is present in brain at concentrations at least 50 times greater than in other organs and is a major protein component of neuronal cytoplasm (PMID: 7217993). And UCHL1 is a Parkinson's disease susceptibility gene (PMID: 15048890).

Notable Publications

Author	Pubmed ID	Journal	Application
Jing Duan	39385200	J Neuroinflammation	IF

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

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

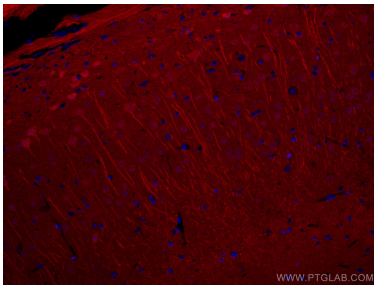
T: 4006900926

E: Proteintech-CN@ptglab.com

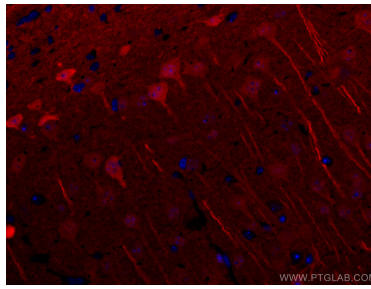
W: ptgcn.com

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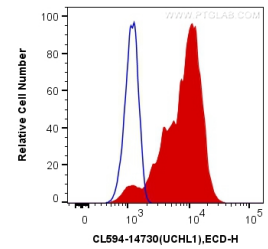
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CoraLite® 594 UCHL1/PGP9.5 antibody (CL594-14730) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CoraLite® 594 UCHL1/PGP9.5 antibody (CL594-14730) at dilution of 1:200.



1X10⁶ Y79 cells were intracellularly stained with 0.4 ug CoraLite® 594 Anti-Human UCHL1/PGP9.5 (CL594-14730) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).