

For Research Use Only

Multi-rAb® UCH-L1/PGP9.5 Multi-Recombinant antibody

Catalog Number:RMX00043



Basic Information

Catalog Number:

RMX00043

Source:

Rabbit

Isotype:

IgG

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:

N/A

Recommended Dilutions:

WB: 1:20000-1:100000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total
protein lysate

IHC: 1:200-1:800

IF/ICC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Species Specificity:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Positive Controls:

WB : rat brain tissue, SH-SY5Y cells, Neuro-2a cells,
mouse brain tissue

IP : SH-SY5Y cells,

IHC : mouse brain tissue,

IF/ICC : A549 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).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol.

Aliquoting is unnecessary for -20°C storage

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

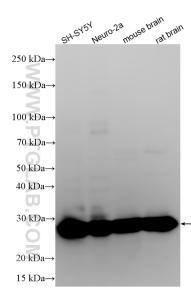
T: 4006900926

E: Proteintech-CN@ptglab.com

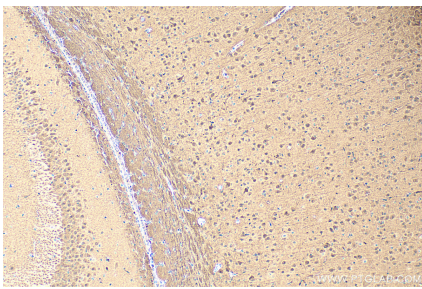
W: ptgcn.com

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

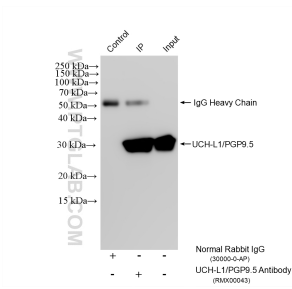
Selected Validation Data



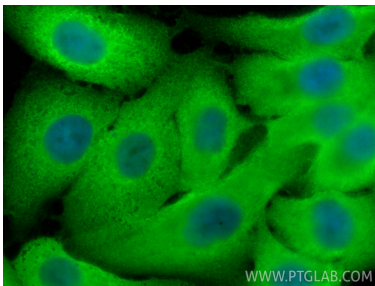
Various lysates were subjected to SDS PAGE followed by western blot with RMX00043 (UCH-L1/PGP9.5 antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using RMX00043 (UCH-L1/PGP9.5 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-UCH-L1/PGP9.5 (IP:RMX00043, 4ug; Detection:RMX00043 1:50000) with SH-SY5Y cells lysate 1480 ug.



Immunofluorescent analysis of (4% PFA) fixed A549 cells using UCH-L1/PGP9.5 antibody (RMX00043) at dilution of 1:200 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).