

UCHL1 / PGP9.5 Antibody

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AP52772-100 □

Specification

UCHL1 / PGP9.5 Antibody - Product Information

Application	WB, ICC
Primary Accession	P09936
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Calculated MW	25 KDa

UCHL1 / PGP9.5 Antibody - Additional Information

Gene ID 7345

Other Names

UCHL1 / PGP9.5;UCHL1;B220;CD 45;CD45;cd45
 antigen;ec3.1.3.48;GP 180;GP180;Human homolog of severe
 combined immunodeficiency due to PTPRC deficiency;L
 CA;L-CA;lca;Leukocyte common antigen;LY 5;LY5;Protein
 tyrosine phosphatase receptor type C;Protein tyrosine
 phosphatase receptor type c
 polypeptide;PTPRC;PTPRC_HUMAN;Receptor-type
 tyrosine-protein phosphatase C;SCID due to PTPRC
 deficiency;t200;T200 glycoprotein;T200 leukocyte common
 antigen.

Dilution

WB~~1:1000

ICC~~1:300

Format

Purified mouse monoclonal in buffer containing 0.1M
 Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.02% sodium azide,
 50% glycerol

Storage

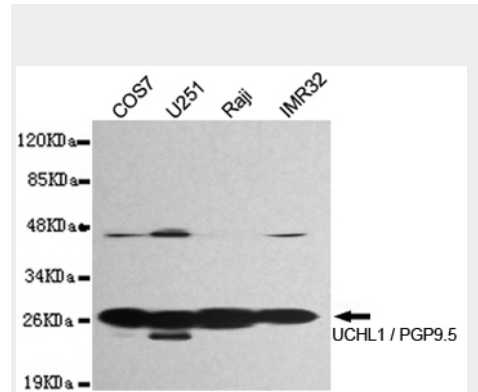
Store at -20 °C.Stable for 12 months from date of receipt

UCHL1 / PGP9.5 Antibody - Protein Information

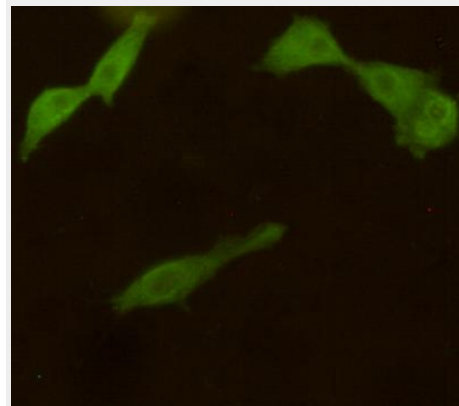
Name UCHL1

Function

Ubiquitin-protein hydrolase involved both in the processing of
 ubiquitin precursors and of ubiquitinated proteins (Probable).
 This enzyme is a thiol protease that recognizes and hydrolyzes
 a peptide bond at the C-terminal glycine of ubiquitin
 (PubMed:9774100, PubMed:8639624, PubMed:12408865, PubMed:12408865, PubMed:<a



Western blot detection of UCHL1 /
 PGP9.5 in U251,IMR32,Raji and COS7 cell
 lysates and using UCHL1 / PGP9.5 mouse
 mAb (1:1000 diluted).Predicted band size:
 25KDa.Observed band size: 28KDa.



Immunocytochemistry stain of COS7
 using UCHL1 / PGP9.5 mouse mAb
 (1:300).

href="http://www.uniprot.org/citations/23359680" target="_blank">23359680). Also binds to free monoubiquitin and may prevent its degradation in lysosomes (By similarity). The homodimer may have ATP-independent ubiquitin ligase activity (PubMed:12408865).

Cellular Location

Cytoplasm. Endoplasmic reticulum membrane; Lipid-anchor. Note=About 30% of total UCHL1 is associated with membranes in brain

Tissue Location

Found in neuronal cell bodies and processes throughout the neocortex (at protein level). Expressed in neurons and cells of the diffuse neuroendocrine system and their tumors Weakly expressed in ovary. Down-regulated in brains from Parkinson disease and Alzheimer disease patients

UCHL1 / PGP9.5 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [□Western Blot](#)
- [□Blocking Peptides](#)
- [□Dot Blot](#)
- [□Immunohistochemistry](#)
- [□Immunofluorescence](#)
- [□Immunoprecipitation](#)
- [□Flow Cytometry](#)
- [□Cell Culture](#)

UCHL1 / PGP9.5 Antibody - Background

Ubiquitin-protein hydrolase involved both in the processing of ubiquitin precursors and of ubiquitinated proteins. This enzyme is a thiol protease that recognizes and hydrolyzes a peptide bond at the C-terminal glycine of ubiquitin. Also binds to free monoubiquitin and may prevent its degradation in lysosomes. The homodimer may have ATP-independent ubiquitin ligase activity.

UCHL1 / PGP9.5 Antibody - References

Hillier L.W.,et al.Nature 434:724-731(2005). Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DBJ databases. Day I.N.M.,et al.Biochem. J. 268:521-524(1990). Choi J.,et al.J. Biol. Chem. 279:13256-13264(2004). Lubec G.,et al.Submitted (DEC-2008) to UniProtKB.