

PGP 9.5

Mouse Monoclonal Antibody (Mab)
Catalog # APA255

Specification

PGP 9.5 - Product Information

Application IHC
Primary Accession P09936
Host Mouse
Clonality Monoclonal
Calculated MW 24824 Da

PGP 9.5 - Additional Information

Gene ID 7345
Gene Name UCHL1

Other Names

Ubiquitin carboxyl-terminal hydrolase isozyme L1, UCH-L1, 3.4.19.12, Neuron cytoplasmic protein 9.5, PGP 9.5, PGP9.5, Ubiquitin thioesterase L1, UCHL1

Dilution

IHC~~1:100~500

Storage Maintain refrigerated at 2-8°C for up to 2

weeks. For long term storage store at -20°C in small aliquots to prevent

freeze-thaw cycles.

Precautions PGP 9.5 is for research use only and not for

use in diagnostic or therapeutic

procedures.

PGP 9.5 - Protein Information

Name UCHL1

Function Ubiquitin-protein hydrolase involved both

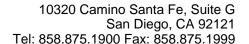
in the processing of ubiquitin precursors and of ubiquitinated proteins (Probable). This enzyme is a thiol protease that

recognizes and hydrolyzes a peptide bond at the C-terminal glycine of ubiquitin (PubMed: 9774100, PubMed: 8639624,

PubMed:12408865, PubMed: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





Tissue Location

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

PGP 9.5 - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

PGP 9.5 - Images