

**PGP 9.5**  
**Mouse Monoclonal Antibody (Mab)**  
**Catalog # APA255****Specification**

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**PGP 9.5 - Product Information**

Application	IHC
Primary Accession	<a href="#">P09936</a>
Host	Mouse
Clonality	Monoclonal
Calculated MW	24824 Da

**PGP 9.5 - Additional Information**

Gene ID	7345
Gene Name	UCHL1
<b>Other Names</b>	
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	
<b>Dilution</b>	
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: <a href="#">9774100</a> , PubMed: <a href="#">8639624</a> , PubMed: <a href="#">12408865</a> , PubMed: <a href="#">23359680</a> ). Also binds to free monoubiquitin and may prevent its degradation in lysosomes (By similarity). The homodimer may have ATP-independent ubiquitin ligase activity (PubMed: <a href="#">12408865</a> ).
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](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**PGP 9.5 - Images**