

**PGP 9.5**  
**Mouse Monoclonal antibody(Mab)**  
**Catalog # AD80255**

**Specification**

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**PGP 9.5 - Product info**

Application	IHC-P, IHC
Primary Accession	<a href="#">P09936</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	24824

**PGP 9.5 - Additional info**

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-P~~Ready-to-use  
IHC~~Ready-to-use

Storage	<b>This product is stored at 2-257 °C, please use it within the expiration date.</b>
Precautions	<b>Protein Gene Product 9.5 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.</b>

**PGP 9.5 - Protein Information**

**Name** UCHL1

<b>Function</b>	<b>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>).</b>
<b>Cellular Location</b>	<b>Cytoplasm. Endoplasmic reticulum</b>

Tissue Location

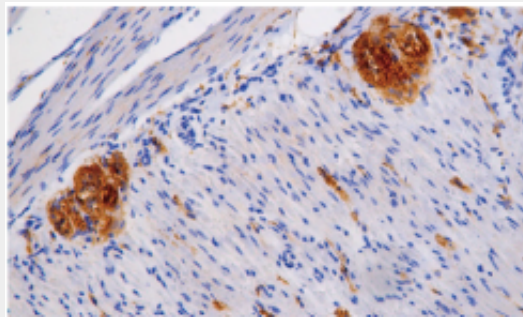
membrane; Lipid-anchor. Note=About 30% of total UCHL1 is associated with membranes in brain  
Found in neuronal cell bodies and processes throughout the neocortex (at protein level). Expressed in neurons and cells of the diffuse neuroendocrine system and their tumors Weakly expressed in ovary. Down-regulated in brains from Parkinson disease and Alzheimer disease patients

### PGP 9.5 - Protocols

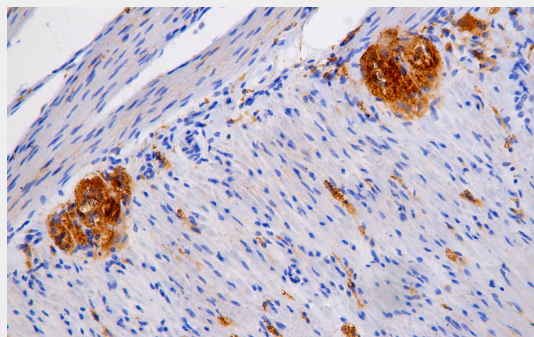
Provided below are standard protocols that you may find useful for product applications.

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

### PGP 9.5 - Images



Small bowel



Immunohistochemical analysis of paraffin-embedded human small intestine tissue using AD80255 performed on the Abcarta® FAIP-30 Fully automated IHC platform. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9.0). Samples were incubated with primary antibody (Ready-to-use) for 15 min at room temperature. AmpSee™ Detection Systems [Abcepta:AR005] was used as the secondary

antibody.