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# PGP 9.5

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

## Specification

### PGP 9.5 - Product info

| | |
|---|---|
| Application | **IHC-P, IHC** |
| Primary Accession | P09936 |
| 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**
Maintain refrigerated at 2-8°C

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|---|---|
| Precautions | **Protein Gene Product 9.5 Antibody 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).** |

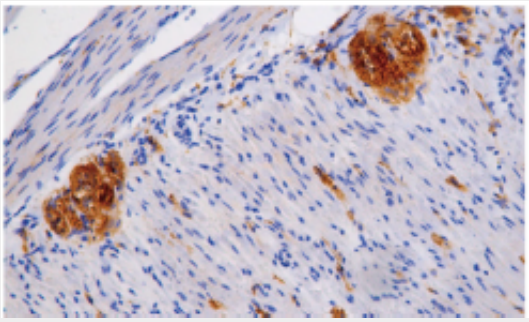
| | |
|---|---|
| Cellular Location | **Cytoplasm. Endoplasmic reticulum membrane; Lipid-anchor. Note=About 30% of total UCHL1 is associated with membranes in brain** |
| Tissue Location | **Found in neuronal cell bodies and processes throughout the neocortex (at protein level). Expressed in neurons 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** |

**PGP 9.5 - Protocols**

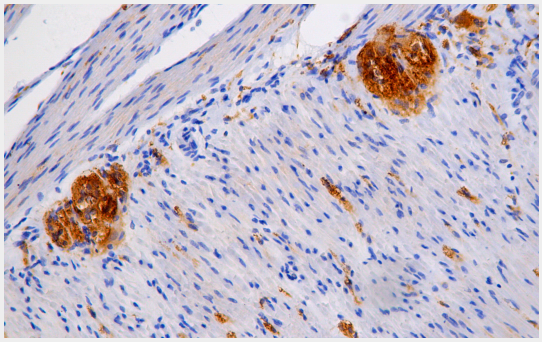
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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

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temperature. AmpSeeTM Detection Systems□Abcepta:AR005□ was used as the secondary antibody.