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# Product datasheet for AM50184PU-T

## PGP9.5 (UCHL1) Mouse Monoclonal Antibody [Clone ID: SPM574]

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Clone Name:** | SPM574 |
| **Applications:** | IHC, WB |
| **Recommended Dilution:** | **ELISA:** Use BSA free Antibody for coating.<br>**Western Blotting:** 0.5-1 µg/ml.<br>**Immunohistochemistry on Formalin-Fixed Paraffin Sections:**0.5-1 µg/ml for 30 minutes at RT.<br>Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes.<br>***Positive Control***: Cerebellum. |
| **Reactivity:** | Bovine, Human, Mouse, Porcine, Rat |
| **Host:** | Mouse |
| **Isotype:** | IgG1 |
| **Clonality:** | Monoclonal |
| **Immunogen:** | Native UchL1 (PGP9.5) protein from brain. |
| **Specificity:** | This Monoclonal Antibody reacts with a protein of 20-30kDa, identified as PGP9.5, also known as Uubiquitin carboxyl-terminal hydrolase-1 (UchL1).<br>***Cellular Localization***: Cytoplasmic. |
| **Formulation:** | 10mM PBS<br>State: Purified<br>State: Liquid purified IgG fraction from Bioreactor Concentrate<br>Stabilizer: 0.05% BSA<br>Preservative: 0.05% Sodium Azide |
| **Concentration:** | lot specific |
| **Purification:** | Protein A/G Chromatography |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store undiluted at 2-8°C. |
| **Stability:** | Shelf life: one year from despatch. |

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**Predicted Protein Size:** 20-30 kDa

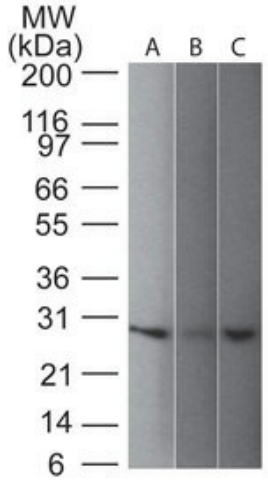
**Gene Name:** ubiquitin C-terminal hydrolase L1

**Database Link:** Entrez Gene 7345 Human
P09936

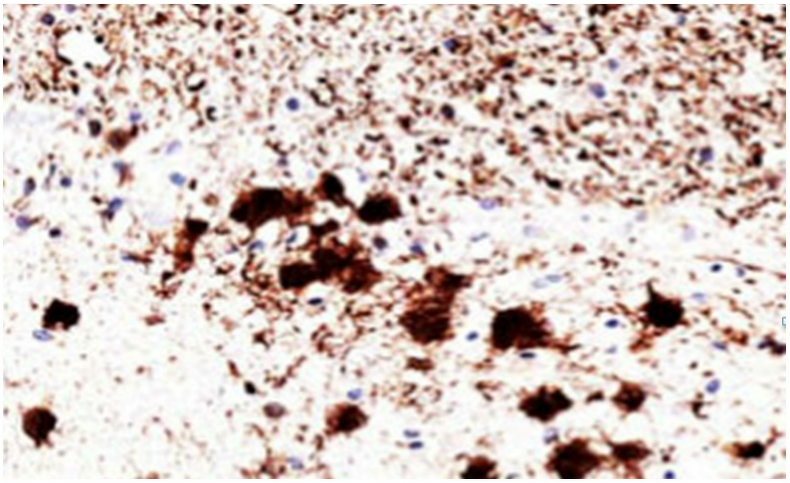
**Background:** PGP9.5, also known as Uubiquitin carboxyl-terminal hydrolase-1 (UchL1). Initially, PGP9.5 expression in normal tissues was reported in neurons and neuroendocrine cells but later it was found in distal renal tubular epithelium, spermatogonia, Leydig cells, oocytes, melanocytes, prostatic secretory epithelium, ejaculatory duct cells, epididymis, mammary epithelial cells, Merkel cells, and dermal fibroblasts. Furthermore, immunostaining for PGP9.5 has been shown in a wide variety of mesenchymal neoplasms as well. A mutation in PGP9.5 gene is believed to cause a form of Parkinson's disease.

**Synonyms:** UCH-L1, PGP 9.5, Ubiquitin thioesterase L1, Neuron cytoplasmic protein 9.5

## Product images:




Western blot of UchL1 (PGP9.5) in 1) human, 2) mouse and 3) rat brain lysate using UchL1 Antibody (Clone SPM574).



Formalin-Fixed, Paraffin-Embedded Human brain stained with UCHL1 / PGP9.5 Antibody (Clone SPM574).