

Product datasheet for **AM50185PU-S**

PGP9.5 (UCHL1) Mouse Monoclonal Antibody [Clone ID: SPM575]

Product data:

Product Type:	Primary Antibodies
Clone Name:	SPM575
Applications:	IF, IHC, WB
Recommended Dilution:	ELISA: Use BSA free Antibody for coating. Western Blotting: 0.5-1 µg/ml. Immunofluorescence: 1-2 µg/ml. Immunohistochemistry on Frozen Sections: 0.5-1 µg/ml for 30 minutes at RT. Positive Control: Cerebellum.
Reactivity:	Bovine, Canine, Guinea Pig, Human, Mouse, Porcine, Rabbit, Rat, Sheep, Zebrafish
Host:	Mouse
Isotype:	IgG2a
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 ubiquitin carboxyl-terminal hydrolase-1 (UchL1). Cellular Localization: Cytoplasmic
Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA 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.
Predicted Protein Size:	20-30 kDa
Gene Name:	ubiquitin C-terminal hydrolase L1



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Database Link: [Entrez Gene 7345 Human P09936](#)

Background: PGP9.5, also known as ubiquitin 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