

Mouse PGP9.5/UchL1 Monoclonal Antibody | anti-PGP9.5 antibody

PGP9.5/UchL1 (pan-Neuronal Marker)

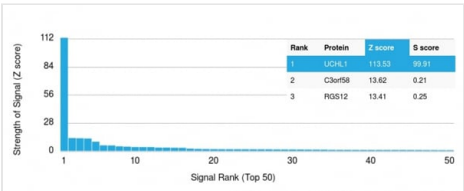
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214552	Mouse	Human, Rat. Shows a broad species reactivity.	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PGP9.5/UchL1; Monoclonal Antibody; PGP9.5/UchL1 (pan-Neuronal Marker); Gracile Axonal Dystrophy; Neuron Cytoplasmic Protein 9.5; Park5; Parkinson Disease 5; PGP95; Protein Gene Product 9.5; Ubiquitin Carboxyl-terminal Esterase L1; Ubiquitin Carboxyl-terminal Hydrolase Isozyme L1; Ubiquitin Thioesterase L1; Ubiquitin Thiolesterase L1; anti-PGP9.5 antibody

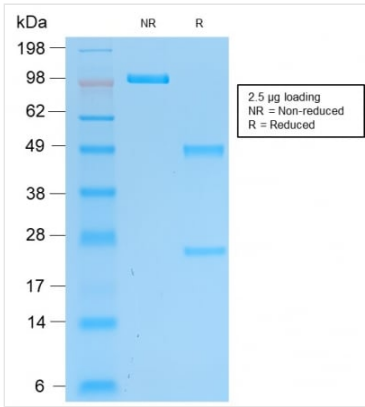
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Rat. Shows a broad species reactivity.
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	rUCL1/775
Specificity	This MAb reacts with a protein of 20-30kDa, identified as 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.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	223
Applicable Applications for anti-PGP9.5 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant full-length human UCHL1 protein
Cellular Localization	Cytoplasmic. Endoplasmic Reticulum membrane
Hu-chromosome Location	4p13
Positive Control	Cerebellum
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

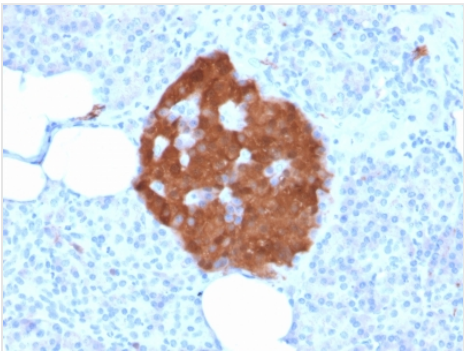


Application Data

Analysis of Protein Array containing >19, 000 full-length human proteins usingPgp9.5 Mouse Recombinant Monoclonal Antibody (rUCHL1/775)Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



SDS-PAGE
SDS-PAGE Analysis of Purified Pgp9.5 Mouse Recombinant Monoclonal Antibody (rUCHL1/775)



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded Human Pancreas stained with Pgp9.5 Mouse Recombinant Monoclonal Antibody (rUCHL1/775).

ADDITIONAL INFORMATION

References	Wilkinson, K.D., et al. 1989. The neuron-specific protein PGP 9.5 is a ubiquitin carboxyl-terminal hydrolase. Science 246: 670-672.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21361091
NCBI GeneID	7345
NCBI Accession #	NP_004172.2
NCBI GenBank Nucleotide #	NM_004181.4
UniProt Accession #	P09936; Q4W5K6; Q71UM0
Molecular Weight	20-30kDa
NCBI Official Full Name	ubiquitin carboxyl-terminal hydrolase isozyme L1
NCBI Official Synonym Full Names	ubiquitin C-terminal hydrolase L1
NCBI Official Symbol	UCHL1
NCBI Official Synonym Symbols	NDGOA; PARK5; PGP95; SPG79; PGP9.5; Uch-L1; HEL-117; PGP 9.5; HEL-S-53
NCBI Protein Information	ubiquitin carboxyl-terminal hydrolase isozyme L1

UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase isozyme L1
UniProt Gene Name	UCHL1
UniProt Synonym Gene Names	UCH-L1; PGP9.5

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pgp95-uchl1-antibody-clone-ruchl1-775-immunohistochemistry-western-blot-elisa/214552>