

Mouse PGP9.5 Monoclonal Antibody | anti-UCHL1 antibody

PGP9.5/ UchL1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62547	Mouse	Cow, Dog, Guinea pig, Human, Mouse, Pig, Rabbit, Rat, Sheep, Zebrafish.	Immunofluorescence, Western Blot

PRODUCT SYNONYMS

PGP9.5; Monoclonal Antibody; PGP9.5/ UchL1; 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-UCHL1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Cow, Dog, Guinea pig, Human, Mouse, Pig, Rabbit, Rat, Sheep, Zebrafish.
Clonality	Monoclonal
Isotype	IgG2a, kappa
Clone Number	13C4
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-UCHL1 antibody	IF (Immunofluorescence), WB (Western Blot)
Cellular Localization	Cytoplasmic, Endoplasmic Reticulum membrane
Positive Control	Cerebellum
Human Chromosomal Location	4p13
Immunogen	Native UchL1 (PGP9.5) protein from brain
Quantity and Buffer	0.5 ml at 200ug/ml with BSA and azide
Preparation and Storage	Store at 2 to 8 degree C. Antibody is stable for 24 months.

ADDITIONAL INFORMATION

References	1. Day IN et. al. Biochem Society Trans 14:350-351 (1986)
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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 carboxyl-terminal esterase L1 (ubiquitin thioesterase)
NCBI Official Symbol	UCHL1
NCBI Official Synonym Symbols	NDGOA; PARK5; PGP95; PGP9.5; Uch-L1; HEL-117; PGP 9.5
NCBI Protein Information	ubiquitin carboxyl-terminal hydrolase isozyme L1; ubiquitin thioesterase L1; epididymis luminal protein 117; neuron cytoplasmic protein 9.5; ubiquitin C-terminal hydrolase
UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase isozyme L1
UniProt Gene Name	UCHL1
UniProt Synonym Gene Names	UCH-L1; PGP9.5
UniProt Entry Name	UCHL1_HUMAN

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-antibody-clone-13c4-immunofluorescence-western-blot-elisa/62547>