

Mouse PGP9.5 / UchL1 Monoclonal Antibody | anti-UCHL1 antibody

PGP9.5 / UchL1 (pan-Neuronal Marker) Mouse Monoclonal Antibody

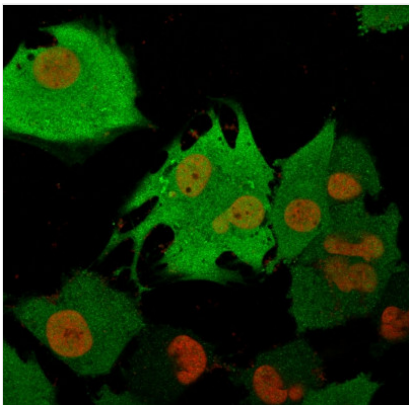
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA13809	Mouse	Human, Mouse, Rat, Cow, Pig, Dog	Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

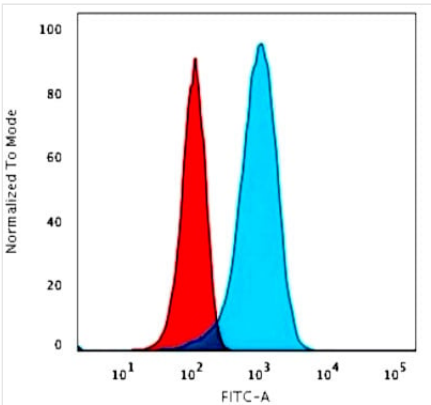
PGP9.5 / UchL1; Monoclonal Antibody; PGP9.5 / UchL1 (pan-Neuronal Marker) Mouse Monoclonal Antibody; Gracile Axonal Dystrophy; Neuron Cytoplasmic Protein 9.5; Park5; Parkinson Disease 5; PGP95; Protein Gene Product 9.5; Ubiquitin Carboxyl-terminal Esterase L1; Ubiquitin Carboxyl-terminal Hydrolase Isozyme L1; Ubiquitin Thioesterase L1; Ubiquitin Thiolesterase L1; anti-UCHL1 antibody

PRODUCT SPECIFICATIONS

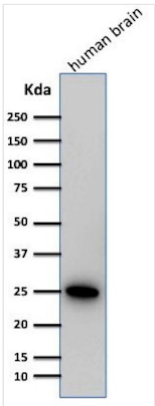
Host	Mouse
Reactivity	Human, Mouse, Rat, Cow, Pig, Dog
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	31A3
Specificity	This MAbs reacts with a protein of 20-30kDa, identified as PGP9.5, also known as ubiquitin carboxyl-terminal hydrolase-1 (UchL1). Initially, PGP9.5 expression in normal tissues 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	1.0mg/mL of Ab purified from Bioreactor Concentrate by Protein A/G.
Sequence Length	223
Applicable Applications for anti-UCHL1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	Western Blot (0.5-1ug/ml) Immunohistochemistry (Formalin-fixed) (0.5-1ug/ml for 30 minutes at RT) (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)
Cellular Localization	Cytoplasmic. Endoplasmic Reticulum membrane
Immunogen	Native UchL1 (PGP9.5) protein from brain
Hu-Chromosome Location	4p13
Positive Control	T98G Cells Cerebellum
Preparation and Storage	Antibody without azide - store at -20 to -80 degree C. Non-hazardous. No MSDS required.



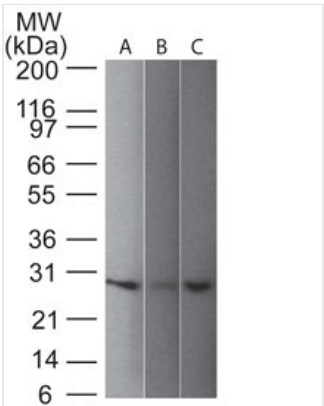
IF (Immunofluorescence)
Immunofluorescence Analysis of T98G cells labeling Pgp9.5 with Pgp9.5 / UchL1 Mouse Monoclonal Antibody (31A3) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Nucspot (Red)



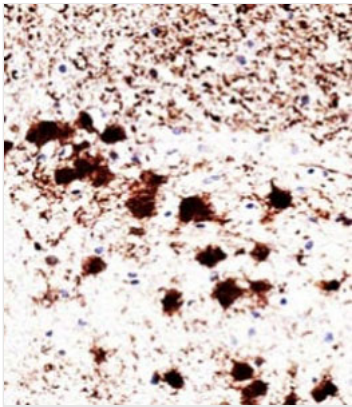
FCM (Flow Cytometry)
Flow Cytometric Analysis of T98G cells using Pgp9.5 / UchL1 Mouse Monoclonal Antibody (31A3) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



WB (Western Blot)
Western Blot Analysis of human brain tissue lysate using Pgp9.5 / UchL1 Mouse Monoclonal Antibody (31A3).



WB (Western Blot)
Western Blot of UchL1 (PGP9.5) in 1) human, 2) mouse and 3) rat brain Lysate using UchL1 Monoclonal Antibody (31A3).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Cerebellum stained with Pgp9.5 / UchL1 Monoclonal Antibody (31A3).

ADDITIONAL INFORMATION

References	Day IN et. al. Biochem Society Trans 14:350-351 (1986)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21361091
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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; 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
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-uchl1-antibody-clone-31a3-western-blot-immunohistochemistry-elisa/13809>