

Mouse anti-Human, Mouse PGP9.5 Monoclonal Antibody | anti-PGP9.5 antibody

PGP9.5 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48004	Mouse	Human, Mouse	Immunohistochemistry, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

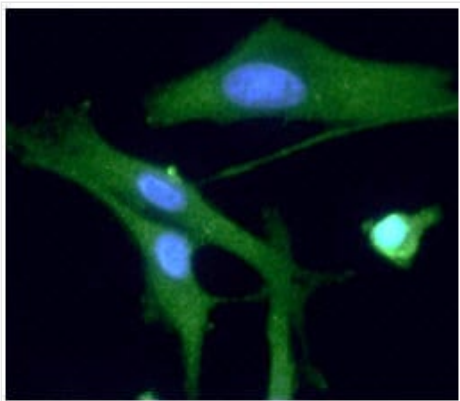
PRODUCT SYNONYMS

PGP9.5; Monoclonal Antibody; PGP9.5 antibody; ubiquitin carboxyl-terminal esterase L1; uCHL1; 1-223aa; uCH-L1; EC 3.4.19.12; ubiquitin thioesterase L1; Neuron cytoplasmic protein 9.5; PGP 9.5; ubiquitin carboxyl-terminal hydrolase isozyme L1; ubiquitin carboxyl-terminal esterase L1 Gracile axonal dystrophy; Park 5; Parkinson Disease 5; PGP95; uCH L1; Protein gene product 9.5; ubiquitin C terminal esterase L1; ubiquitin C terminal hydrolase (neuron specific); ubiquitin carboxyl terminal esterase L1; ubiquitin carboxyl terminal hydrolase isozyme L1; ubiquitin thioesterase; ubiquitin thioesterase L1.; anti-PGP9.5 antibody

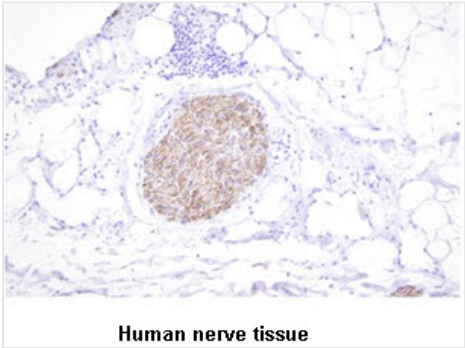
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG2a, k
Clone Number	3D9
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	139
Applicable Applications for anti-PGP9.5 antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human PGP9.5 (1-223aa) purified from E. coli
Clone Note	Anti-human PGP9.5 mAb, clone 3D9, is derived from hybridization of mouse SP2/O myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human PGP9.5 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

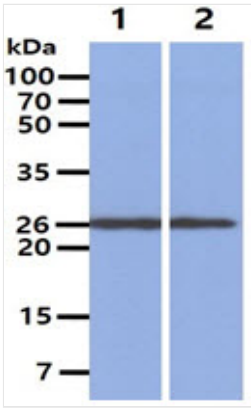
IMAGES



IF (Immunofluorescence)
ICC/IF analysis of PGP9.5 in U87MG cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human PGP9.5 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



IHC (Immunohistochemistry)
Paraffin embedded sections of human nerve tissue were incubated with anti-human PGP9.5 (1:100) for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB).



WB (Western Blot)
The Cell and Tissue lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PGP9.5 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: Mouse Brain lysate Lane 2.: U87-MG cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-PGP9.5 antibody	PGP9.5/UCH-L1 is a member of a gene family whose products hydrolyze small C-terminal adducts of ubiquitin to generate the ubiquitin monomer. PGP9.5 is a component of the ubiquitin system, which has a fundamental role in regulating various biological activities. PGP9.5 gene encodes two opposing enzymatic activities that affect alpha-synuclein degradation and Parkinson's disease susceptibility.
Product Categories/Family for anti-PGP9.5 antibody	Ubiquitination
References	kenji H et al, (1999) Am J Pathol 155 (3):711-715; Liu Y et al, (2002) Cell 111 (2):209-18; Mikako Sakurai.et al, (2006) Cell 119:162-171

NCBI AND UNIPROT INFORMATION

NCBI GI #	3133255
NCBI GeneID	100033838
NCBI Accession #	BAA28214.1
NCBI GenBank Nucleotide #	NM_004181
Molecular Weight	24,888 Da

NCBI Official Full Name	PGP9.5, partial
NCBI Official Symbol	UCHL1
NCBI Official Synonym Symbols	PGP9.5
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-antibody-clone-3d9-immunohistochemistry-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/48004>