

Rabbit PGP9.5 Polyclonal Antibody | anti-PGP9.5 antibody

PGP9.5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322119	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

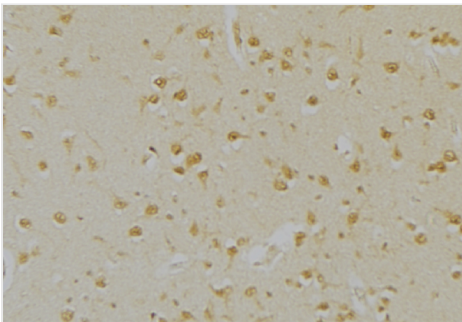
PRODUCT SYNONYMS

PGP9.5; Polyclonal Antibody; PGP9.5 Antibody; Epididymis luminal protein 117; Epididymis secretory protein Li 53; HEL 117; HEL S 53; NDGOA; Neuron cytoplasmic protein 9.5; OTTHUMP00000218137; OTTHUMP00000218139; OTTHUMP00000218140; OTTHUMP00000218141; Park 5; PARK5; PGP 9.5; PGP95; Protein gene product 9.5; Ubiquitin C terminal esterase L1; Ubiquitin C terminal hydrolase; Ubiquitin C terminal hydrolase L1; Ubiquitin carboxyl terminal esterase L1; Ubiquitin carboxyl terminal hydrolase isozyme L1; Ubiquitin carboxyl-terminal hydrolase isozyme L1; Ubiquitin thioesterase L1; Ubiquitin thiolesterase; Ubiquitin thiolesterase L1; UCH-L1; UCHL1; UCHL1_HUMAN; anti-PGP9.5 antibody

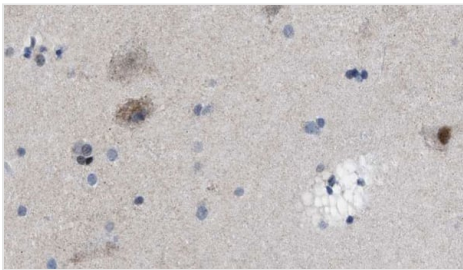
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PGP9.5 antibody detects endogenous levels of total PGP9.5
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	223
Applicable Applications for anti-PGP9.5 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PGP9.5
Subcellular Location	Cytoplasm. Endoplasmic Reticulum Membrane. About 30% of total UCHL1 is associated with membranes in brain.
Tissue Specificity	Found in neuronal cell bodies and processes throughout the neocortex (at protein level). Expressed in neurons and cells of the diffuse neuroendocrine system and their tumors. Weakly expressed in ovary. Down-regulated in brains from Parkinson disease and Alzheimer disease patients.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (83%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (83%), Xenopus (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

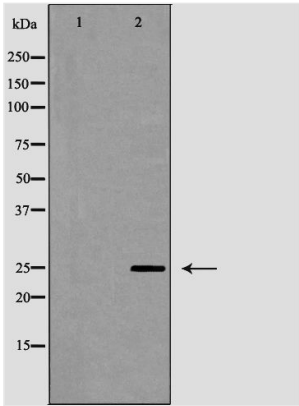
IMAGES



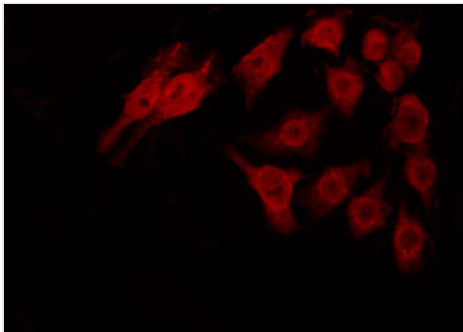
IHC (Immunohistochemistry)
AAA322119 at 1/100 staining mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IHC (Immunohistochemisry)
AAA322119 at 1/100 staining Human brain cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of PGP9.5 expression in 293 cells.The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)
AAA322119 staining 293 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PGP9.5 antibody	Function: Ubiquitin-protein hydrolase involved both in the processing of ubiquitin precursors and of ubiquitinated proteins. This enzyme is a thiol protease that recognizes and hydrolyzes a peptide bond at the C-terminal glycine of ubiquitin. Also binds to free monoubiquitin and may prevent its degradation in lysosomes. The homodimer may have ATP-independent ubiquitin ligase activity. Subunit Structure: Monomer. Homodimer. Interacts with SNCA (By similarity). Interacts with COPS5. Post-translational Modifications: O-glycosylated. Similarity: Belongs to the peptidase C12 family.
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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	Observed: 25 kDa Predicted: 25 kDa
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/polyclonal/pgp95-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/322119>