

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

Anti-PGP9.5 Antibody

CATALOG # AAA46541	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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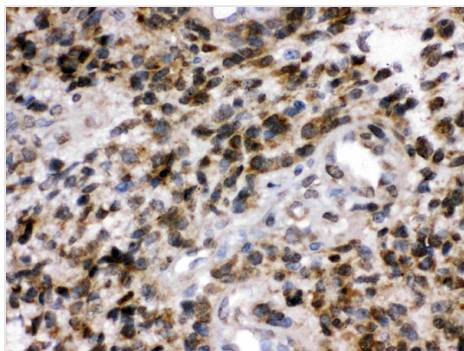
PRODUCT SYNONYMS

PGP9.5; Polyclonal Antibody; Anti-PGP9.5 Antibody; Ubiquitin carboxyl-terminal hydrolase isozyme L1; 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 carboxyl terminal esterase L1; Ubiquitin carboxyl terminal hydrolase isozyme L1; Ubiquitin thioesterase L1; Ubiquitin thiolesterase; Ubiquitin thiolesterase L1; UCH-L1; UCHL1; UCHL1_HUMAN; ubiquitin C-terminal hydrolase L1; anti-PGP9.5 antibody

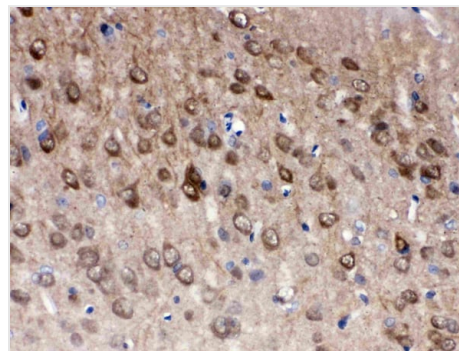
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	223
Applicable Applications for anti-PGP9.5 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human PGP9.5 (120-153aa ETEKMSPEDRAKCFEKNEAIQAADAVAQEGQCR), different from the related mouse and rat sequences by two amino acids.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

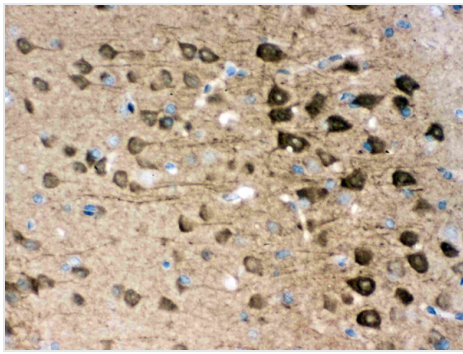
IMAGES



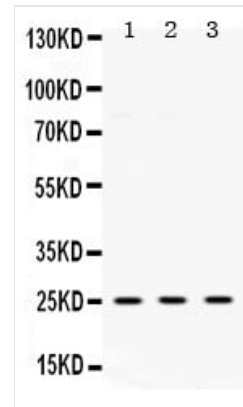
IHC (Immunohistochemistry)
Anti- PGP9.5 Picoband antibody, AAA46541, IHC(P)IHC(P): Human Glioma Tissue



IHC (Immunohistochemistry)
Anti- PGP9.5 Picoband antibody, AAA46541, IHC(P)IHC(P): Rat Brain Tissue



IHC (Immunohistochemistry)
Anti- PGP9.5 Picoband antibody, AAA46541, IHC(P)IHC(P): Mouse Brain Tissue



WB (Western Blot)
Anti- PGP9.5 Picoband antibody, AAA46541, Western blottingAll lanes: Anti PGP9.5 (AAA46541) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: Mouse Brain Tissue Lysate at 50ugLane 3: U87 Whole Cell Lysate at 40ugPredicted bind size: 25KDObserved bind size: 25KD

ADDITIONAL INFORMATION

Related Product Information for anti-PGP9.5 antibody	Description: Rabbit IgG polyclonal antibody for Ubiquitin carboxyl-terminal hydrolase isozyme L1(UCHL1) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: UCH-L1, also known as PGP9.5, is a member of a gene family whose products hydrolyze small C-terminal adducts of ubiquitin to generate the ubiquitin monomer. Expression of UCH-L1 is highly specific to neurons and to cells of the diffuse neuroendocrine system and their tumors. It is abundantly present in all neurons (accounts for 1-2% of total brain protein), expressed specifically in neurons and testis/ovary. The catalytic triad of UCH-L1 contains a cysteine at position 90, an aspartate at position 176, and a histidine at position 161 that are responsible for its hydrolase activity.
References	1. "Entrez Gene: UCHL1 ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase)". 2. Das C, Hoang QQ, Kreinbring CA, Luchansky SJ, Meray RK, Ray SS, Lansbury PT, Ringe D, Petsko GA (Mar 2006). "Structural basis for conformational plasticity of the Parkinson's disease-associated ubiquitin hydrolase UCH-L1". Proceedings of the National Academy of Sciences of the United States of America 103 (12): 4675-80. 3. Doran JF, Jackson P, Kynoch PA, Thompson RJ (Jun 1983). "Isolation of PGP 9.5, a new human neurone-specific protein detected by high-resolution two-dimensional electrophoresis". Journal of Neurochemistry 40 (6): 1542-7.

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	24,824 Da
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://www.aaabiotech.com/polyclonal/pgp95-antibody-immunohistochemistry-western-blot-elisa/46541>