

Mouse Protein Gene Product 9.5 Monoclonal Antibody | anti-UCHL1 antibody

Mouse Anti Human Protein Gene Product 9.5

CATALOG # AAA50351	HOST Mouse	REACTIVITY Human, Mouse, Rat, Bovine Predicted: Mammals	APPLICATIONS Western Blot, Immunofluorescence
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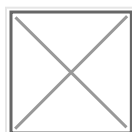
PRODUCT SYNONYMS

Protein Gene Product 9.5; Monoclonal Antibody; Mouse Anti Human Protein Gene Product 9.5; Protein Gene Product 9.5 antibody (BH7); anti-UCHL1 antibody

PRODUCT SPECIFICATIONS

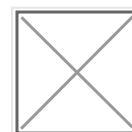
Host	Mouse
Reactivity	Human, Mouse, Rat, Bovine Predicted: Mammals
Clonality	Monoclonal
Isotype	IgG1
Clone Number	BH7
Purity/Purification	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Form/Format	Liquid; Phosphate Buffered Saline
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	223
Applicable Applications for anti-UCHL1 antibody	WB (Western Blot), IF (Immunofluorescence)
Immunogen	Recombinant full length human PGP9.5 purified from E.coli.
Preservative Stabilizers	0.065% Sodium Azide (NaN ₃)
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

IMAGES



WB (Western Blot)

Western blot of rat hippocampal homogenate showing specific immunolabeling of the ~24 kDa PGP9.5 (UCH-L1) protein



IS (Immunostaining)

Immunostaining of rat spinal cord section with anti-mouse PGP9.5 (red) and anti-neurofilament H (green) antibodies

ADDITIONAL INFORMATION

Related Product Information for anti-UCHL1 antibody	Mouse anti Human protein gene product 9.5 monoclonal antibody, clone BH7 recognizes protein gene product 9.5 (PGP9.5) also known as ubiquitin C terminal hydrolase 1 (UCH-L1). UCH-L1 is a thiol protease that recognises and hydrolyses a peptide bond at the C-terminal glycine of ubiquitin. This protein is closely related to UCH-L3 and both are thought to recycle ubiquitin to maintain pools of monomeric ubiquitin necessary for proteolysis. UCH-L1 is expressed in neurons and cells of the diffuse neuroendocrine system and their tumours. UCH-L1 and UCH-L3 have been shown to have separate and overlapping functions in the maintenance of neurons of the gracile tract, nucleus tractus solitarius (NTS) and area postrema (Kurihara et al. 2001).
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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; Q9R0P9; Q00981; P23356
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
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/protein-gene-product-95-antibody-clone-bh7-western-blot-immunofluorescence-elisa/50351>