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

Mouse Anti Human Protein Gene Product 9.5

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50351	**Mouse**	**Human, Mouse, Rat, BovinePredicted: Mammals**	**Western Blot, Immunofluorescence**

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 (NaN3)
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-neurofiliament 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 maintanence of neurons of the gracile tract, nucleus tractus solitarius (NTS) and area postrema (Kurihara et al. 2001).

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