

Mouse UCHL1 Monoclonal Antibody | anti-UCHL1 antibody

UCHL1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283579	Mouse	Human, rat (Predicted Reactivity: Bovine, Monkey, Mouse, Pig)	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

UCHL1; Monoclonal Antibody; UCHL1 Antibody (C-term); Ubiquitin carboxyl-terminal hydrolase isozyme L1; UCH-L1; 6---; Neuron cytoplasmic protein 95; PGP 95; PGP95; Ubiquitin thioesterase L1; anti-UCHL1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, rat (Predicted Reactivity: Bovine, Monkey, Mouse, Pig)
Clonality	Monoclonal
Isotype	IgG1
Clone Number	696CT2.1.4
Specificity	This UCHL1 Monoclonal antibody is generated from mice immunized with a KLH conjugated synthetic peptide selected from the 185-214 region of human UCHL1.
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Concentration	Vial Concentration: 0.26 (varies by lot)
Sequence Length	223
Applicable Applications for anti-UCHL1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	Human
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

UCHL1 Antibody (C-term) western blot analysis in 293T,NCI-H1299, rat PC-12 cell line lysates (35ug/lane). This demonstrates the UCHL1 antibody detected the UCHL1 protein (arrow).



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded H. astrogloma section using UCHL1 Antibody (C-term). AAA283579 was diluted at 1:25 dilution. A undiluted biotinylated goat polyclonal antibody was used as the secondary, followed by DAB staining.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded H. brain section using UCHL1 Antibody (C-term). AAA283579 was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

ADDITIONAL INFORMATION

Related Product Information for anti-UCHL1 antibody	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.
Product Categories/Family for anti-UCHL1 antibody	Crown Antibodies; Cell Biology; Neuroscience
References	Boudreaux D.A., et al. Proc. Natl. Acad. Sci. U.S.A. 107:9117-9122(2010). Hillier L.W., et al. Nature 434:724-731(2005). Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases. Day I.N.M., et al. Biochem. J. 268:521-524(1990). Choi J., et al. J. Biol. Chem. 279:13256-13264(2004).

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	24824
NCBI Official Full Name	ubiquitin carboxyl-terminal hydrolase isozyme L1
NCBI Official Synonym Full Names	ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase)
NCBI Official Symbol	UCHL1
NCBI Official Synonym Symbols	NDGOA; PARK5; PGP95; PGP9.5; Uch-L1; HEL-117; PGP 9.5
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
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.