

Mouse UchL1 Monoclonal Antibody | anti-UCHL1 antibody

Monoclonal Antibody to UchL1 (Clone: 31A3)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78458	Mouse	Rat, Mouse, Human Predicted: Pig	Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

UchL1; Monoclonal Antibody; Monoclonal Antibody to UchL1 (Clone: 31A3); UCHL1; Neuron cytoplasmic protein 9.5; PGP9.5; PGP 9.5; Ubiquitin thioesterase L1; anti-UCHL1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Rat, Mouse, Human Predicted: Pig
Clonality	Monoclonal
Isotype	IgG1 Kappa
Clone Number	31A3
Purity/Purification	Purified Protein G Chromatography
Form/Format	100 ug in 200 ul PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Sequence Length	223
Applicable Applications for anti-UCHL1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Antigen	UchL1
Immunogen Information	Native UchL1 (PGP9.5) protein from brain was used as immunogen to generate the antibody.
Conjugation	Unconjugated
Preparation and Storage	Store the antibody at 4 degree C; stable for 6 months. For long-term storage; store at -20 degree C. Avoid repeated freeze and thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Fig: 3 Immunohistochemical analysis of UchL1 in human Kidney tissue using UchL1 antibody (Clone: 31A3) at 10 ug/ml.



IHC (Immunohistochemistry)

Fig: 2 Immunohistochemical analysis of UchL1 in human Brain using UchL1 antibody (Clone: 31A3) at 1: 500 dilution.



WB (Western Blot)

Fig: 1 Western blot analysis analysis of UchL1. Anti-UchL1 antibody (Clone: 31A3) was used at 1 ug/ml in 1) human, 2) mouse and 3) rat brain lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-UCHL1 antibody	UchL1 (ubiquitin C-terminal hydrolase), also known as PGP9.5 (protein gene product 9.5) and PARK5, is a neuronal biomarker and ubiquitin system protein. UchL1 is a highly conserved antibody and has shown that it is expressed in neurons and neuroendocrine cells in vertebrates where it comprises about 5-10% of soluble cytoplasmic proteins. A minor proportion of UchL1 in brain is tightly bound to the membrane. UchL1 antibody is also expressed in human oocytes and spermatogonia. It is important to note that the use of an antibody as a biomarker in this case does not imply that an antibody defines absolute tissue specificity. Rather, it means that PGP9.5 is expressed in neurons and neuroendocrine cells at significantly higher levels than in other cell types.
Product Categories/Family for anti-UCHL1 antibody	Cancer Marker

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; 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/uchl1-antibody-clone-31a3-western-blot-immunohistochemistry-elisa/78458>