

Rabbit anti-Human UCHL1 Polyclonal Antibody | anti-UCHL1 antibody

Anti-UCHL1 Antibody, Rabbit Polyclonal

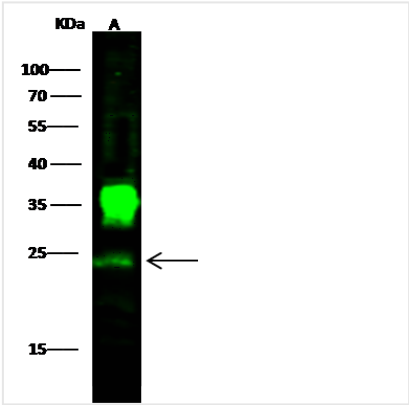
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255456	Rabbit	Human	Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

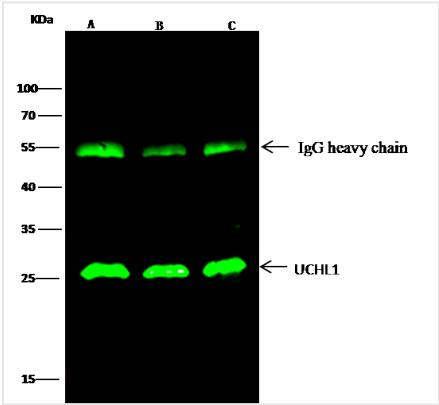
UCHL1; Polyclonal Antibody; Anti-UCHL1 Antibody; Rabbit Polyclonal; UCHL1/PGP9.5 Antibody; Rabbit PAb; Antigen Affinity Purified; ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase); Anti-HEL-117 Antibody; Anti-NDGOA Antibody; Anti-PARK5 Antibody; Anti-PGP9.5 Antibody; Anti-PGP95 Antibody; Anti-Uch-L1 Antibody; anti-UCHL1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human UCHL1/PGP9.5
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-UCHL1 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human UCHL1 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human UCHL1 (rh UCHL1). UCHL1 IgG was purified by human UCHL1 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



WB (Western Blot)
Anti-UCHL1 rabbit polyclonal antibody at 1:500 dilution Lane A: SH-SY5Y Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 25 kDa Observed band size: 24 kDa (We are unsure as to the identity of these extra bands).



IP (Immunoprecipitation)
UCHL1 was immunoprecipitated using: Lane A: 0.5 mg 293T Whole Cell Lysate Lane B: 0.5 mg SH-SY5Y Whole Cell Lysate Lane C: 0.5 mg U87MG Whole Cell Lysate 2 uL anti-UCHL1 rabbit polyclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-UCHL1 rabbit polyclonal antibody, at 1:200 dilution Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 25 kDa Observed band size: 25 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-UCHL1 antibody	Ubiquitin carboxyl-terminal hydrolase isozyme L1, also known as UCH-L1, Ubiquitin thioesterase L1, PGP9.5 and UCHL1, is a deubiquitinating enzyme with important functions in recycling of ubiquitin. Regulated proteolysis by the ubiquitin pathway has been implicated in control of the cell cycle, transcriptional activation, cell fate and growth, and synaptogenesis. The ubiquitin-proteasome system is involved in synaptic plasticity and is proposed to be part of a molecular switch that converts short-term synaptic potentiation to long-term changes in synaptic strength. UCHL1 is found in neuronal cell bodies and processes throughout the neocortex (at protein level). It is expressed in neurons and cells of the diffuse neuroendocrine system and their tumors. UCHL1 is weakly expressed in ovary. UCHL1 is a ubiquitin-protein hydrolase. It is 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. UCHL1 also binds to free monoubiquitin and may prevent its degradation in lysosomes. The homodimer of UCHL1 may have ATP-independent ubiquitin ligase activity. UCHL1 dysfunction has been associated with neurodegeneration in Parkinson's, Alzheimer's, and Huntington's disease patients. Reduced UCHL1 function may jeopardize the survival of CNS neurons.
References	Wada H., et al., 1998, Biochem. Biophys. Res. Commun. 251:688-92. Choi J., et al., 2004, J. Biol. Chem. 279:13256-64. Lombardino, A.2005, et al., J.Proc Natl Acad Sci.USA102 (22):8036-41 Okochi-Takada, E. et al., 2006, Int J Cancer. 119 (6):1338-44. Zetterberg, M. et al., 2010, Mol Neurodegener 5 :11.

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 carboxyl-terminal esterase L1 (ubiquitin thiolesterase)
NCBI Official Symbol	UCHL1

NCBI Official Synonym Symbols	PARK5; PGP95; PGP9.5; Uch-L1; PGP 9.5
NCBI Protein Information	ubiquitin carboxyl-terminal hydrolase isozyme L1; ubiquitin thioesterase L1; neuron cytoplasmic protein 9.5; ubiquitin C-terminal hydrolase
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/uchl1-antibody-immunoprecipitation-western-blot-elisa/255456>