

Rabbit anti-Rat UCHL3 Monoclonal Antibody | anti-UCHL3 antibody

Recombinant Anti-UCHL3 Antibody, Rabbit Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257298	Rabbit	Rat	Immunoprecipitation, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

UCHL3; Monoclonal Antibody; Recombinant Anti-UCHL3 Antibody; Rabbit Monoclonal; UCHL3 Antibody; Rabbit MAb; ubiquitin carboxyl-terminal esterase L3 (ubiquitin thiolesterase); anti-UCHL3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Rat
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	007
Specificity	Rat UCHL3. Has cross-reactivity in ELISA with Human UCHL3, Mouse UCHL3 Has cross-reactivity in ELISA with Human UCHL3, Mouse UCHL3
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-UCHL3 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Rat UCHL3 protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Rat UCHL3 (rR UCHL3).
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.

IMAGES



IP (Immunoprecipitation)

rat UCHL3 was immunoprecipitated using: Lane A: 0.5 mg k562 Whole Cell Lysate Lane B: 0.5 mg Jurkat Whole Cell Lysate Lane C: 0.5 mg SH-SY5Y Whole Cell Lysate 2 uL anti-rat UCHL3 rabbit monoclonal antibody and 15 ul of 50 % Protein G agarose. Primary antibody: Anti-rat UCHL3 rabbit monoclonal antibody, at 1:200 dilution Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution Developed using the odssey technique. Performed under reducing conditions. Predicted band size: 26 kDa Observed band size: 26 kDa



WB (Western Blot)

Anti-UCHL3 rabbit monoclonal antibody at 1:500 dilution Lane A: K562 Whole Cell Lysate Lane B: 293T Whole Cell Lysate Lane C: Jurkat 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: 26 kDa Observed band size: 31 kDa



IHC (Immunohistochemistry)

Immunochemical staining of rat UCHL3 in rat testis with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-UCHL3 antibody	Ubiquitin carboxyl-terminal hydrolase isozyme L3, also known as UCH-L3, Ubiquitin thioesterase L3 and UCHL3, is a ubiquitin-protein hydrolase that belongs to the peptidase C12 family. 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 either ubiquitin or NEDD8. UCHL3 is highly expressed in heart, skeletal muscle, and testis. UCHL1 and UCHL3 are two of the deubiquitinating enzymes expressed in the brain. These phenotypes indicate the importance of UCHL1 and UCHL3 in the regulation of the central nervous system. UCHL3 functions as a de-ubiquitinating enzyme where lack of its hydrolase activity may result in the prominent accumulation of ubiquitinated proteins and subsequent induction of stress responses in skeletal muscle. UCHL3 has also been identified as a tumor-specific antigen in colon cancer.
References	Wood, M.A. et al., 2005, Hippocampus 15 (5):610-21. Kwon, J. et al., 2006, Exp Anim 55 (1):35-43. Setsuie, R. et al., 2009, Neurochem Int 54 (5-6):314-21. Setsuie, R. et al., 2010, Neurochem Int 56 (8):911-8.

NCBI AND UNIPROT INFORMATION

NCBI GI #	158749588
NCBI GeneID	498560
NCBI Accession #	NP_001103635.1
NCBI GenBank Nucleotide #	NM_001110165.1
UniProt Accession #	Q91Y78
Molecular Weight	26,124 Da
NCBI Official Full Name	ubiquitin carboxyl-terminal hydrolase isozyme L3
NCBI Official Synonym Full Names	ubiquitin carboxyl-terminal esterase L3 (ubiquitin thiolesterase)
NCBI Official Symbol	Uchl3
NCBI Official Synonym Symbols	RGD1561196
NCBI Protein Information	ubiquitin carboxyl-terminal hydrolase isozyme L3; UCH-L3; ubiquitin thioesterase L3
UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase isozyme L3
UniProt Gene Name	Uchl3
UniProt Synonym Gene Names	UCH-L3
UniProt Entry Name	UCHL3_RAT

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/uchl3-antibody-clone-007-immunoprecipitation-immunohistochemistry-western-blot-elisa/257298>