Rabbit UCH37 (UCHL5) Polyclonal Antibody | anti-UCHL5 antibody

UCH37 (UCHL5) Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284776	**Rabbit**	**Human, mouse (Predicted Reactivity: Bovine, Pig)**	**Immunohistochemistry, ELISA, Western Blot**

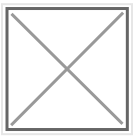
PRODUCT SYNONYMS

UCH37 (UCHL5); Polyclonal Antibody; UCH37 (UCHL5) Antibody (N-term); Ubiquitin carboxyl-terminal hydrolase isozyme L5; UCH-L5; Ubiquitin C-terminal hydrolase UCH37; Ubiquitin thioesterase L5; UCHL5; UCH37; anti-UCHL5 antibody

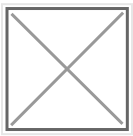
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine, Pig)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This UCH37 (UCHL5) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 56-87 amino acids from the N-terminal region of human UCH37 (UCHL5).
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	56-87
Sequence Length	326
Applicable Applications for anti-UCHL5 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
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



IHC (Immunohiostchemistry)
HE staining of frozen human ovarian cancer tissue reacted with the primary antibody at a 1:250 dilution. Levels using the antibody on frozen tissue array (A)correlated well with the mRNA expression levels detected by Agilent expression microarray (B). This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. 60X magnification. Data courtesy of Marlena Fejzo, University of California, Los Angeles.



WB (Western Blot)
The anti-UCHL5 Pab is used in Western blot to detect UCHL5 in mouse kidney tissue lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-UCHL5 antibody	Covalent attachment of the C-terminus of ubiquitin to cellular proteins plays a role in a variety of cellular processes. Ubiquitin C-terminal hydrolysis is catalyzed by deubiquitinating (DUB) enzymes and is necessary for several functions, including liberation of monomeric ubiquitin from the precursors encoded by ubiquitin genes and recycling of ubiquitin monomers. There are 2 distinct families of DUBs, ubiquitin-specific proteases (UBPs) and ubiquitin C-terminal hydrolases (UCHs). Mayer and Wilkinson (1989) identified 4 distinct UCH activities from bovine thymus. All 4 were thiol proteases and had high-affinity binding sites for ubiquitin. Wilkinson et al. (1989) purified the predominant isozyme, UCHL3, and raised antibodies against it. By screening a human B-cell expression library with the antibodies, the authors isolated cDNAs encoding human UCHL3. Sequence comparisons revealed that the sequence of the predicted 230-amino acid human UCHL3 protein is 54% identical to that of UCHL1.
Product Categories/Family for anti-UCHL5 antibody	Cell Biology
References	M-P. et al. Proteomics. July; 9(13): 3609?622(2009). Hu, R.M., et al., Proc. Natl. Acad. Sci. U.S.A. 97(17):9543-9548 (2000). Lai, C.H., et al., Genome Res. 10(5):703-713 (2000).

NCBI AND UNIPROT INFORMATION

NCBI GI #	312922359
NCBI GeneID	51377
NCBI Accession #	NP_001186190.1; NP_001186191.1; NP_001186192.1; NP_057068.1
NCBI GenBank Nucleotide #	NM_001199261.1
UniProt Accession #	Q9Y5K5; Q5LJA6; Q5LJA7; Q8TBS4; Q96BJ9; Q9H1W5; Q9P0I3; Q9UQN2
Molecular Weight	37607
NCBI Official Full Name	ubiquitin carboxyl-terminal hydrolase isozyme L5 isoform 2
NCBI Official Synonym Full Names	ubiquitin carboxyl-terminal hydrolase L5
NCBI Official Symbol	UCHL5
NCBI Official Synonym Symbols	UCH37; CGI-70; INO80R; UCH-L5
NCBI Protein Information	ubiquitin carboxyl-terminal hydrolase isozyme L5
UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase isozyme L5
UniProt Gene Name	**UCHL5**
UniProt Synonym Gene Names	UCH37; UCH-L5
UniProt Entry Name	UCHL5_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/polyclonal/uch37-uchl5-antibody-immunohistochemistry-western-blot-elisa/284776