

Rabbit UCHL3 Polyclonal Antibody | anti-UCHL3 antibody

UCHL3 Antibody (C-term)

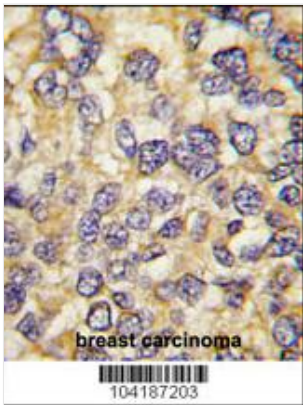
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286122	Rabbit	Human (Predicted Reactivity: Bovine, Mouse, Pig, Rat)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

UCHL3; Polyclonal Antibody; UCHL3 Antibody (C-term); Ubiquitin carboxyl-terminal hydrolase isozyme L3; UCH-L3; Ubiquitin thioesterase L3; anti-UCHL3 antibody

PRODUCT SPECIFICATIONS

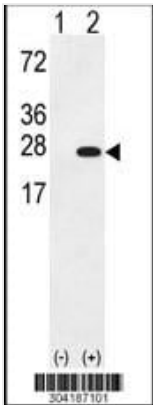
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Pig, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This UCHL3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 195-225 amino acids from the C-terminal region of human UCHL3.
Purity/Purification	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	195-225
Sequence Length	230
Applicable Applications for anti-UCHL3 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
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.



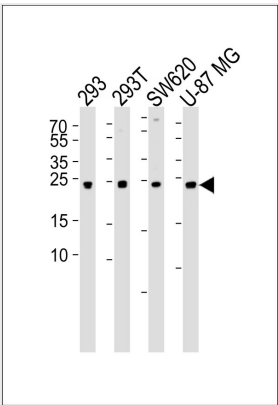
IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with UCHL3 antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



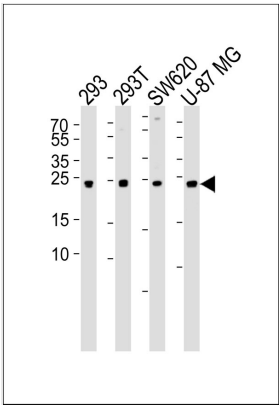
IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human skeletal muscle tissue reacted with UCHL3 Antibody (C-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of his tag antibody in UCHL3 gene transfected 293 lysates (35ug/lane). His-tag UCHL3 protein (arrow) is detected.



WB (Western Blot)
Western blot analysis of UCHL3 in HepG2 cell line lysates (35ug/lane). UCHL3 (arrow) was detected using the purified Pab.



WB (Western Blot)
Western blot analysis of lysates from 293, 293T, SW620, U-87 MG cell line (from left to right), using UCHL3 Antibody (C209). AAA286122 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-UCHL3 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-UCHL3 antibody	Crown Antibodies; Cell Biology; Neuroscience; Signal Transduction
References	Saito, S., et al., J. Hum. Genet. 48(5):249-270 (2003). Wilkinson, K.D., et al., Science 246(4930):670-673 (1989).

NCBI AND UNIPROT INFORMATION

NCBI GI #	401709950
NCBI GeneID	7347
NCBI Accession #	NP_001257881.1; NP_005993.1
NCBI GenBank Nucleotide #	NM_001270952.1
UniProt Accession #	P15374; Q5TBK8; Q6IBE9; B2R970
Molecular Weight	26183
NCBI Official Full Name	ubiquitin carboxyl-terminal hydrolase isozyme L3 isoform 1
NCBI Official Synonym Full Names	ubiquitin carboxyl-terminal esterase L3 (ubiquitin thiolesterase)
NCBI Official Symbol	UCHL3
NCBI Official Synonym Symbols	UCH-L3
NCBI Protein Information	ubiquitin carboxyl-terminal hydrolase isozyme L3
UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase isozyme L3
UniProt Gene Name	UCHL3
UniProt Synonym Gene Names	UCH-L3
UniProt Entry Name	UCHL3_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.