

Datasheet for ABIN388873  
**anti-UCHL5 antibody (N-Term)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	400 µL
Target:	UCHL5
Binding Specificity:	AA 56-87, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UCHL5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	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).
Clone:	RB4190
Isotype:	Ig Fraction
Predicted Reactivity:	B, Pig
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:	UCHL5
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## Target Details

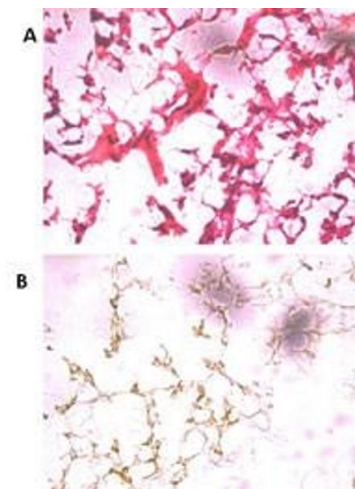
Alternative Name:	UCH37 (UCHL5) ( <a href="#">UCHL5 Products</a> )
Background:	Covalent attachment of the C-terminus of ubiquitin to cellular proteins plays a role in a variety of cellular processes. Ubiquitin C-terminal hydrolysis is catalyzed by deubiquitinating (DUB) enzymes and is necessary for several 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.
Molecular Weight:	37607
Gene ID:	51377
NCBI Accession:	<a href="#">NP_001186190</a> , <a href="#">NP_001186191</a> , <a href="#">NP_001186192</a> , <a href="#">NP_057068</a>
UniProt:	<a href="#">Q9Y5K5</a>

## Application Details

Application Notes:	WB: 1:1000. IHC-F: 1:50~100
Restrictions:	For Research Use only

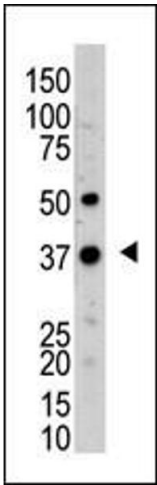
## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



#### Immunohistochemistry (Frozen Sections)

**Image 1.** 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.



#### Western Blotting

**Image 2.** The anti-UCHL5 Pab (ABIN388873 and ABIN2839168) is used in Western blot to detect UCHL5 in mouse kidney tissue lysate.