

## Product datasheet for **AP11996PU-N**

### UCH37 (UCHL5) (N-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western Blot: 1/100-1/500. Immunohistochemistry: 1/50-1/100.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human UCHL5.
Specificity:	This antibody is specific to UCHL5 (N-term).
Formulation:	PBS with 0.09% (W/V) Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Protein G Chromatography, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	ubiquitin C-terminal hydrolase L5
Database Link:	<a href="#">Entrez Gene 51377 Human Q9Y5K5</a>



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**Background:**

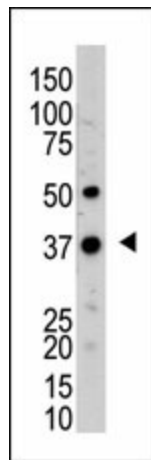
Covalent attachment of the C-terminus of ubiquitin to cellular proteins plays a role in a variety of cellular processes. Ubiquitin C-terminal hydrolysis is catalyzed by deubiquitinating (DUB) enzymes and is necessary for several functions, including liberation of monomeric ubiquitin from the precursors 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.

**Synonyms:**

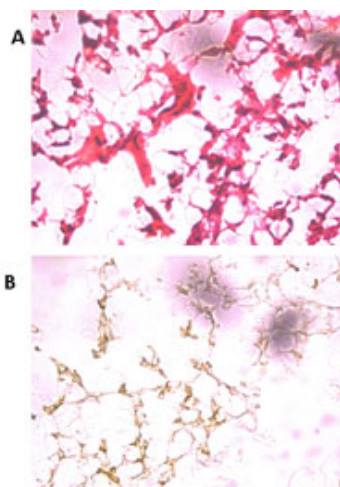
UCH-L5, Ubiquitin thioesterase L5, UCH37, AD-019, CGI-70

**Note:**

**Predicted Molecular weight:** 37641 Da

**Product images:**

Western Blot analysis using anti-UCHL5 (N-term) Pab to detect UCHL5 in mouse kidney tissue lysate.



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.