

**UCHL5 Antibody**  
**Chicken Polyclonal Antibody**  
**Catalog # ABV11123****Specification**

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**UCHL5 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">O9Y5K5</a>
Reactivity	Human
Host	Chicken
Clonality	Polyclonal
Isotype	Chicken IgG
Calculated MW	37607

**UCHL5 Antibody - Additional Information****Gene ID** 51377**Application & Usage**

**Western blot: Robust detection of 100 ng of recombinant protein was possible when antibody was used at a final concentration of 5 µg/mL**

**Other Names**

AD-019, CGI-70, Ubiquitin carboxyl-terminal hydrolase isozyme L5, Ubiquitin C-terminal hydrolase, UCH37, Ubiquitin thioesterase L5, UCH37, UCH-L5, (Ubiquitin C-terminal hydrolase L5

**Target/Specificity**

UCHL5

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

50 µg of antibody in PBS containing 10% glycerol

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

UCHL5 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## UCHL5 Antibody - Protein Information

**Name** UCHL5

**Synonyms** UCH37

### Function

Protease that specifically cleaves 'Lys-48'-linked polyubiquitin chains. Deubiquitinating enzyme associated with the 19S regulatory subunit of the 26S proteasome. Putative regulatory component of the INO80 complex; however is inactive in the INO80 complex and is activated by a transient interaction of the INO80 complex with the proteasome via ADRM1.

### Cellular Location

Cytoplasm. Nucleus. Note=Associates with the proteasome 19S subunit in the cytoplasm. Associates with the INO80 complex in the nucleus

## UCHL5 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## UCHL5 Antibody - Images

## UCHL5 Antibody - Background

Protein ubiquitination and deubiquitination are reversible processes catalyzed by ubiquitinating enzymes (UBEs) and deubiquitinating enzymes (DUBs). DUBs are categorized into 5 subfamilies: USP, UCH, OTU, MJD, and JAMM. UCHL1, UCHL3, UCHL5/UCH37, and BRCA-1-associated protein-1 (BAP1) belong to the UCH family of DUBs, which all possess a conserved catalytic domain (UCH domain) of about 230 amino acids. UCHL5 and BAP1 have unique extended C-terminal tails. UCHL5 is the only ubiquitin carboxy-terminal hydrolase (UCH)-family protease that is associated with mammalian proteasomes. It is a protease that specifically cleaves 'Lys-48'-linked polyubiquitin chains. Deubiquitinating enzyme associated with the 19S regulatory subunit of the 26S proteasome. Putative regulatory component of the INO80 complex; however is inactive in the INO80 complex and is activated by a transient interaction of the INO80 complex with the proteasome via ADRM1. It is responsible for the ubiquitin isopeptidase activity in the PA700 (19S) proteasome regulatory complex.