

## UCHL5 Polyclonal Antibody

<b>ALTERNATE NAMES:</b>	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)
<b>CATALOG #:</b>	6129-50
<b>AMOUNT:</b>	50 µg
<b>HOST:</b>	Chicken
<b>ISOTYPE:</b>	IgG
<b>IMMUNOGEN:</b>	Recombinant full length protein
<b>PURIFICATION:</b>	Purified from Egg Yolk
<b>FORM:</b>	Liquid
<b>FORMULATION:</b>	50 µg of antibody in PBS containing 10% glycerol
<b>PREDICTED MW:</b>	49 kDa (With tags)
<b>SPECIES REACTIVITY:</b>	Human
<b>STORAGE CONDITIONS:</b>	Store at -20°C. Do not aliquot the antibody.

**DESCRIPTION:** 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

<b>SPECIFICITY:</b>	Human
<b>APPLICATION:</b>	Western blot: Robust detection of 100 ng of recombinant protein was possible when antibody was used at a final concentration of 5 µg/mL

### RELATED PRODUCTS:

- UCHL3 Polyclonal Antibody (**Cat. No. 6128-50**)
- UCHL1 Polyclonal Antibody (**Cat. No. 6130-50**)
- Human Recombinant UCHL1 (**Cat. No. 6306-100**)
- Human Recombinant UCHL3 (**Cat. No. 6358-100**)
- Human Recombinant UCHL5 (**Cat. No. 6359-100**)
- UbcH1, human recombinant (GST-tag) (**Cat. No. 4846-10, -100**)
- UbcH5a, human recombinant (His-tag) (**Cat. No. 4851-10, -100**)
- UbcH5b, human recombinant (His-tag) (**Cat. No. 4852-10, -100**)
- UCHL1, human recombinant (GST-tag) (**Cat. No. 4855-50**)
- Human recombinant UBE2D3 (UbcH5c) (**Cat. No. 6430-3**)
- Human recombinant UBE2L3 (UbcH7) (**Cat. No. 6431-3**)
- Human recombinant UBE2K (UbcH1) (**Cat. No. 6432-3**)
- Yeast recombinant Ubc13 (UBE2N) (**Cat. No. 6433-3**)
- Yeast recombinant Mms2 (UEV-2) (**Cat. No. 6434-3**)
- Human recombinant UBE2D2 (UbcH5b) (**Cat. No. 6435-3**)
- Human recombinant UBE2R1 (CDC34) (**Cat. No. 6436-3**)
- Human recombinant UBE2E2 (UbcH8) (**Cat. No. 6438-3**)
- Human recombinant UBE2E3 (UbcH9) (**Cat. No. 6439-3**)
- Human recombinant UBE2H (UbcH2) HIS (**Cat. No. 6440-3**)
- Human recombinant UBE2H (UbcH2), HIS<sub>6</sub>SUMO (**Cat. No. 6441-3**)

**FOR RESEARCH USE ONLY! Not to be used on humans.**

**Note: This information is only intended as a guide. The optimal dilutions must be determined by the user**