10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

UCHL5 Antibody
Chicken Polyclonal Antibody
Catalog # ABV11123

Specification

UCHL5 Antibody - Product Information

Application	**WB**
Primary Accession	Q9Y5K5
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.

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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 Cytomety
- 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.