

Product Name: KD-Validated UCHL5 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00313**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 37.6kDa

Antigen Information

Gene Name	UCHL5
Alternative Names	UCHL5; Ubiquitin C-Terminal Hydrolase L5; UCH37; CGI-70; INO80R; Ubiquitin Carboxyl-Terminal Hydrolase Isozyme L5; Ubiquitin Carboxyl-Terminal Hydrolase L5; Ubiquitin C-Terminal Hydrolase UCH37; Ubiquitin Thioesterase L5; INO80 Complex Subunit R; EC 3.4.19.12; UCH-L5; Ubiquitin Carboxyl-Terminal Esterase L5
Gene ID	51377.0
SwissProt ID	Q9Y5K5
Immunogen	A synthesized peptide derived from human UCHL5

Background

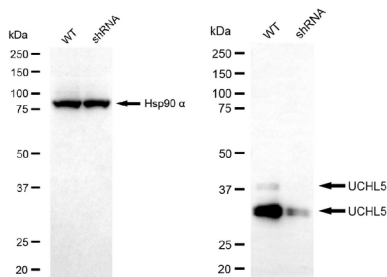
Enables cysteine-type deubiquitinase activity; endopeptidase inhibitor activity; and proteasome binding activity. Involved in

several processes, including positive regulation of smoothened signaling pathway; protein deubiquitination; and regulation of primary metabolic process. Located in cytosol and nuclear lumen. [provided by Alliance of Genome Resources, Jul 2025]

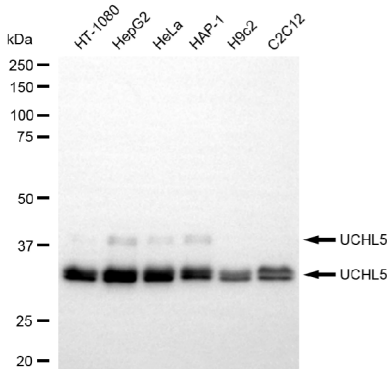
Research Area

Cell Biology

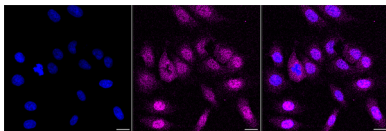
Image Data



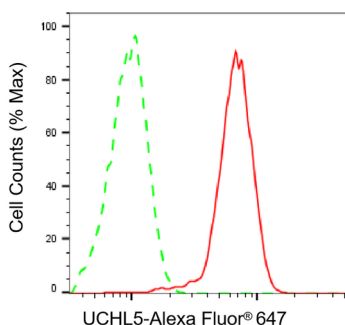
Western blotting analysis using UCHL5 antibody (KVA00313). UCHL5 expression in wild type (WT) and UCHL5 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with UCHL5 antibody (KVA00313, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using UCHL5 antibody (KVA00313). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with UCHL5 antibody (KVA00313, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with UCHL5 antibody (KVA00313, 1:1,000). Nuclei were stained blue with DAPI; UCHL5 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of UCHL5 expression in HepG2 cells using UCHL5 antibody (KVA00313, 1:2,000). Green, isotype control; red, UCHL5.