

Product Name: KD-Validated USP48 Mouse Monoclonal Antibody**Catalog #: KVA00279**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2a
Clonality	Mouse 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 1:200-1:1,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 119.0kDa

Antigen Information

Gene Name	USP48 USP48; Ubiquitin Specific Peptidase 48; USP31; Ubiquitin-Specific-Processing Protease 48; Ubiquitin Carboxyl-Terminal Hydrolase 48; Ubiquitin Specific Protease 31; Deubiquitinating
Alternative Names	Enzyme 48; Ubiquitin Thioesterase 48; FLJ23277; FLJ11328; FLJ20103; FLJ23054; MGC14879; Ubiquitin-Specific Peptidase 48; Ubiquitin Specific Protease 48; Ubiquitin-Specific Protease 48; Ubiquitin Thiolesterase 48; EC 3.4.19.12; EC 3.1.2.15; RAP1GA1; DFNA85
Gene ID	84196.0
SwissProt ID	Q86UV5
Immunogen	Recombinant protein of human USP48

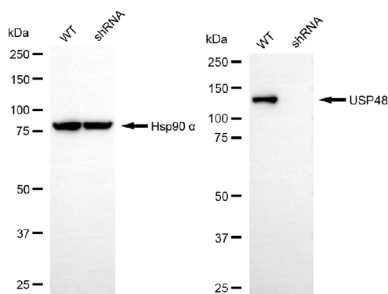
Background

This gene encodes a protein containing domains that associate it with the peptidase family C19, also known as family 2 of ubiquitin carboxyl-terminal hydrolases. Family members function as deubiquitinating enzymes, recognizing and hydrolyzing the peptide bond at the C-terminal glycine of ubiquitin. Enzymes in peptidase family C19 are involved in the processing of poly-ubiquitin precursors as well as that of ubiquitinated proteins. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]

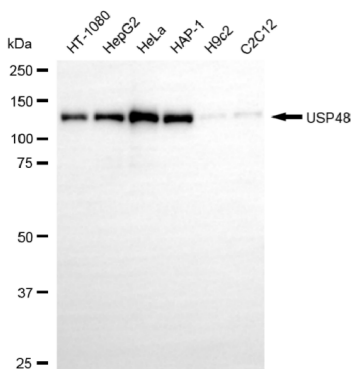
Research Area

Cell Biology, Epigenetics and Nuclear Signaling

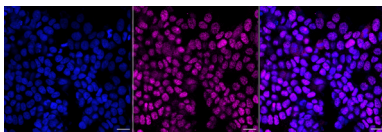
Image Data



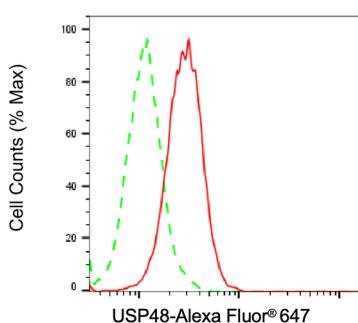
Western blotting analysis using USP48 antibody (KVA00279). USP48 expression in wild-type (WT) and USP48 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with USP48 antibody (KVA00279, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using USP48 antibody (KVA00279). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with USP48 antibody (KVA00279, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HAP-1 cells with USP48 antibody (KVA00279, 1:1,000). Nuclei were stained blue with DAPI; USP48 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 USP48 expression in HAP-1 cells using USP48 antibody (KVA00279, 1:2,000). Green, isotype control; red, USP48.