
Product Name: KD-Validated Ubiquitin Specific Peptidase 11 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01322**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,M
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: 109.8kDa

Antigen Information

Gene Name	USP11 USP11; Ubiquitin Specific Peptidase 11; UHX1; Ubiquitin Carboxyl-Terminal Hydrolase 11; Deubiquitinating Enzyme 11 3 4
Alternative Names	Ubiquitin Thioesterase 11; Ubiquitin Carboxyl-Terminal Hydrolase, X-Linked; Ubiquitin-Specific Processing Protease 11; Ubiquitin-Specific-Processing Protease 11; Ubiquitin Specific Protease 11; Ubiquitin Thiolesterase 11; EC 3.4.19.12; EC 3.1.2.15
Gene ID	8237.0
SwissProt ID	P51784
Immunogen	A synthesized peptide derived from human USP11

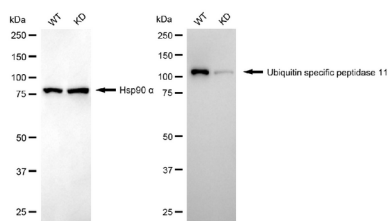
Background

Protein ubiquitination controls many intracellular processes, including cell cycle progression, transcriptional activation, and signal transduction. This dynamic process, involving ubiquitin conjugating enzymes and deubiquitinating enzymes, adds and removes ubiquitin. Deubiquitinating enzymes are cysteine proteases that specifically cleave ubiquitin from ubiquitin-conjugated protein substrates. This gene encodes a deubiquitinating enzyme which lies in a gene cluster on chromosome Xp11.23 [provided by RefSeq, Jul 2008]

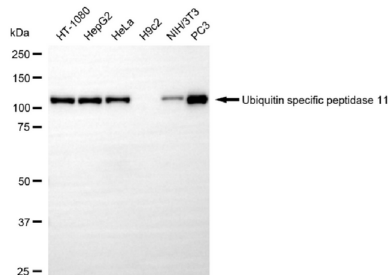
Research Area

Epigenetics and Nuclear Signaling, Cell Biology

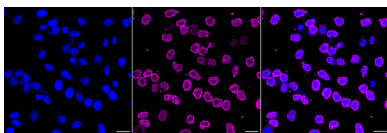
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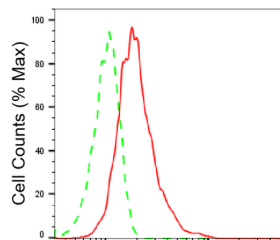
Western blotting analysis using ubiquitin specific peptidase 11 antibody (KVA01322). Ubiquitin specific peptidase 11 expression in wild type (WT) and ubiquitin specific peptidase 11 (USP11) knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with ubiquitin specific peptidase 11 antibody (KVA01322, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using ubiquitin specific peptidase 11 antibody (KVA01322). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with ubiquitin specific peptidase 11 antibody (KVA01322, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells with Ubiquitin specific peptidase 11 antibody (KVA01322, 1:1,000). Nuclei were stained blue with DAPI; Ubiquitin specific peptidase 11 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar, 20 µm.



Ubiquitin specific peptidase 11-Alexa Fluor® 647

Flow cytometric analysis of Ubiquitin specific peptidase 11 expression in HeLa cells using Ubiquitin specific peptidase 11 antibody (KVA01322, 1:2,000). Green, isotype control; red, Ubiquitin specific peptidase 11.