
Product Name: KD-Validated Ubiquitin Specific Peptidase 7 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01734**

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: 128.3kDa

Antigen Information

Gene Name	USP7
Alternative Names	USP7; Ubiquitin Specific Peptidase 7; HAUSP; Ubiquitin Specific Peptidase 7 (Herpes Virus-Associated); Ubiquitin-Specific-Processing Protease 7; Ubiquitin Carboxyl-Terminal Hydrolase 7; Deubiquitinating Enzyme 7; Ubiquitin Thioesterase 7; Ubiquitin Specific Protease 7 (Herpes Virus-Associated); Herpes Virus-Associated Ubiquitin-Specific Protease; Herpesvirus-Associated; Ubiquitin-Specific Protease; Chromosome 16p13.2 Deletion Syndrome; EC 3.4.19.12; C16DELP13.2; EC 3.1.2.15; DEL16P13.2; HAFOUS; TEF1
Gene ID	7874.0
SwissProt ID	Q93009
Immunogen	A synthesized peptide derived from human HAUSP / USP7

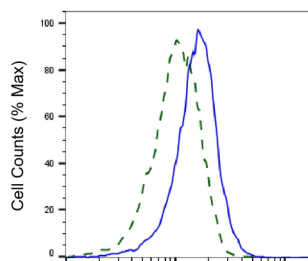
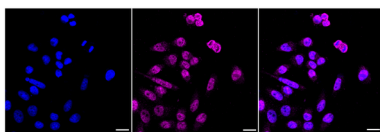
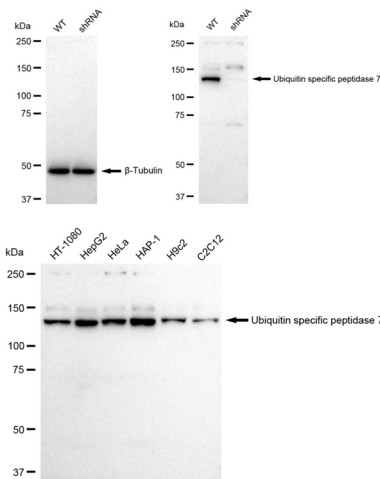
Background

The protein encoded by this gene belongs to the peptidase C19 family, which includes ubiquitinyl hydrolases. This protein deubiquitinates target proteins such as p53 (a tumor suppressor protein) and WASH (essential for endosomal protein recycling), and regulates their activities by counteracting the opposing ubiquitin ligase activity of proteins such as HDM2 and TRIM27, involved in the respective process. Mutations in this gene have been implicated in a neurodevelopmental disorder. [provided by RefSeq, Mar 2016]

Research Area

Cell Biology, Microbiology, Cancer, Epigenetics and Nuclear Signaling

Image Data



Ubiquitin specific peptidase 7-Alexa Fluor® 647

Western blotting analysis using Ubiquitin specific peptidase 7 antibody (KVA01734). Ubiquitin specific peptidase 7 expression in wild type (WT) and Ubiquitin specific peptidase 7 (USP7) shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with Ubiquitin specific peptidase 7 antibody (KVA01734, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.

Western blotting analysis using Ubiquitin specific peptidase 7 antibody (KVA01734). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Ubiquitin specific peptidase 7 antibody (KVA01734, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.

Immunocytochemical staining of HepG2 cells with Ubiquitin specific peptidase 7 antibody (KVA01734, 1:1,000). Nuclei were stained blue with DAPI; Ubiquitin specific peptidase 7 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.

Validation of Ubiquitin specific peptidase 7 knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HeLa cells were stained with Ubiquitin specific peptidase 7 antibody (KVA01734, 1:2,000) and analyzed using BD flow cytometer.