
Product Name: KD-Validated Ubiquitin Specific Peptidase 10 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01326**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
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: 87.1kDa

Antigen Information

Gene Name	USP10
Alternative Names	USP10; Ubiquitin Specific Peptidase 10; KIAA0190; UBPO; Ubiquitin-Specific-Processing Protease 10; Ubiquitin Carboxyl-Terminal Hydrolase 10; Ubiquitin Specific Protease 10; Deubiquitinating Enzyme 10; Ubiquitin Thioesterase 10; Ubiquitin Thiolesterase 10; EC 3.4.19.12
Gene ID	9100.0
SwissProt ID	Q14694
Immunogen	A synthesized peptide derived from human USP10

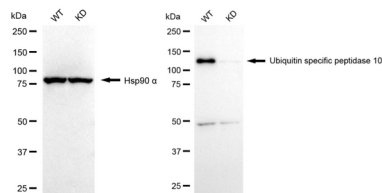
Background

Ubiquitin is a highly conserved protein that is covalently linked to other proteins to regulate their function and degradation. This gene encodes a member of the ubiquitin-specific protease family of cysteine proteases. The enzyme specifically cleaves ubiquitin from ubiquitin-conjugated protein substrates. The protein is found in the nucleus and cytoplasm. It functions as a co-factor of the DNA-bound androgen receptor complex, and is inhibited by a protein in the Ras-GTPase pathway. The human genome contains several pseudogenes similar to this gene. Several transcript variants, some protein-coding and others not protein-coding, have been found for this gene. [provided by RefSeq, Jan 2013]

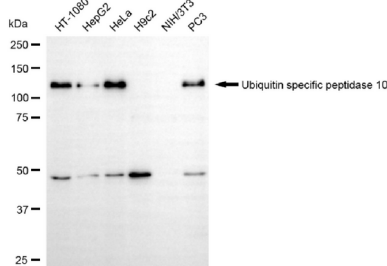
Research Area

Cell Biology, Epigenetics and Nuclear Signaling

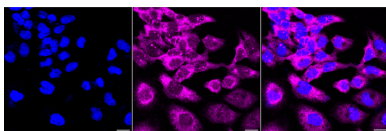
Image Data



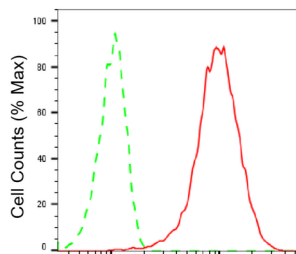
Western blotting analysis using ubiquitin specific peptidase 10 antibody (KVA01326). Ubiquitin specific peptidase 10 expression in wild type (WT) and ubiquitin specific peptidase 10 (USP10) knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with ubiquitin specific peptidase 10 antibody (KVA01326, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using ubiquitin specific peptidase 10 antibody (KVA01326). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with ubiquitin specific peptidase 10 antibody (KVA01326, 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 10 antibody (KVA01326, 1:1,000). Nuclei were stained blue with DAPI; Ubiquitin specific peptidase 10 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 10-Alexa Fluor® 647

Flow cytometric analysis of Ubiquitin specific peptidase 10 expression in HeLa cells using Ubiquitin specific peptidase 10 antibody (KVA01326, 1:2,000). Green, isotype control; red, Ubiquitin specific peptidase 10.