

Product Name: KD-Validated UFC1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01280**

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: 19.5kDa

Antigen Information

Gene Name	UFC1
Alternative Names	UFC1; Ubiquitin-Fold Modifier Conjugating Enzyme 1; HSPC155; Ubiquitin-Fold Modifier-Conjugating Enzyme 1; Ufm1-Conjugating Enzyme 1; NEDSG
Gene ID	51506.0
SwissProt ID	Q9Y3C8
Immunogen	A synthesized peptide derived from human UFC1

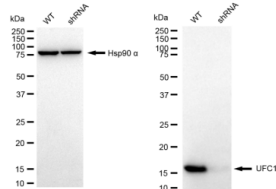
Background

UFC1 is an E2-like conjugating enzyme for ubiquitin-fold modifier-1 (UFM1; MIM 610553) (Komatsu et al., 2004 [PubMed 15071506]).[supplied by OMIM, Mar 2008]

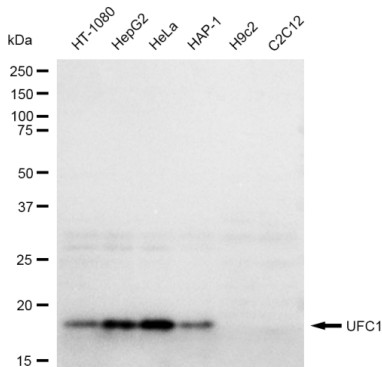
Research Area

Cell Biology

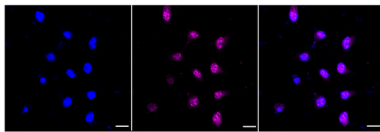
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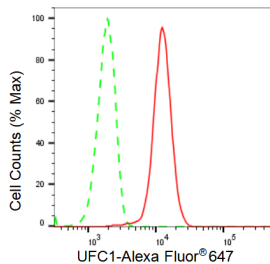
Western blotting analysis using UFC1 antibody (KVA01280). UFC1 expression in wild type (WT) and UFC1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with UFC1 antibody (KVA01280, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using UFC1 antibody (KVA01280). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with UFC1 antibody (KVA01280, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells with UFC1 antibody (KVA01280, 1:1,000). Nuclei were stained blue with DAPI; UFC1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Low. Scale bar: 20 µm.



Flow cytometric analysis of UFC1 expression in HeLa cells using UFC1 antibody (KVA01280, 1:2,000). Green, isotype control; red, UFC1.