

Product Name: KD-Validated UFM1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00404**

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: 9.1kDa

Antigen Information

Gene Name	UFM1
Alternative Names	UFM1; Ubiquitin Fold Modifier 1; C13orf20; Ubiquitin-Fold Modifier 1; BA131P10.1; Chromosome 13 Open Reading Frame 20; BM-002; HLD14
Gene ID	51569.0
SwissProt ID	P61960
Immunogen	A synthesized peptide derived from human UFM1

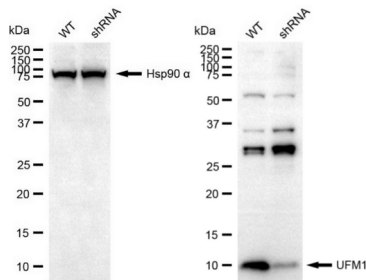
Background

UFM1 is a ubiquitin-like protein that is conjugated to target proteins by E1-like activating enzyme UBA5 (UBE1DC1; MIM 610552) and E2-like conjugating enzyme UFC1 (MIM 610554) in a manner analogous to ubiquitylation (see UBE2M; MIM 603173) (Komatsu et al., 2004 [PubMed 15071506]).[supplied by OMIM, Dec 2008]

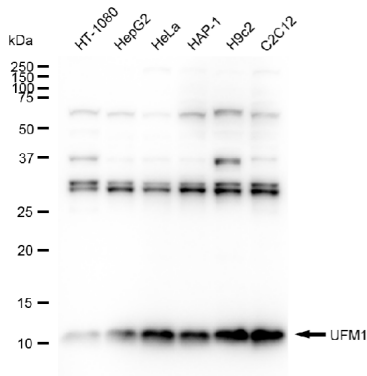
Research Area

Cell Biology

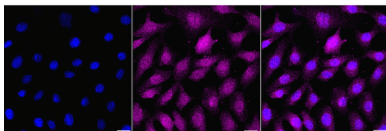
Image Data



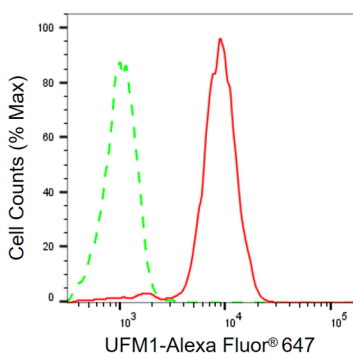
Western blotting analysis using UFM1 antibody (KVA00404). UFM1 expression in wild-type (WT) and UFM1 shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with UFM1 antibody (KVA00404, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using UFM1 antibody (KVA00404). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with UFM1 antibody (KVA00404, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with UFM1 antibody (KVA00404, 1:1,000). Nuclei were stained blue with DAPI; UFM1 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 UFM1 expression in C2C12 cells using UFM1 antibody (KVA00404, 1:2,000). Green, isotype control; red, UFM1.