

Product Name: KD-Validated UBE2Z Mouse Monoclonal Antibody**Catalog #: KVA00415**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC,IHC-P
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2a
Clonality	Mouse 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 1:400-1:2,000; FC 1:200-1:2,000; ICC 1:100-1:1,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 38.2kDa

Antigen Information

Gene Name	UBE2Z UBE2Z; Ubiquitin Conjugating Enzyme E2 Z; USE1; Uba6-Specific E2 Conjugating Enzyme 1; Ubiquitin-Conjugating Enzyme E2 Z; E2 Ubiquitin-Conjugating Enzyme Z; Ubiquitin Carrier
Alternative Names	Protein Z; Ubiquitin-Protein Ligase Z; UBA6-Specific Enzyme E2; FLJ13855; Ubiquitin-Conjugating Enzyme E2Z; Ubiquitin Conjugating Enzyme E2Z; EC 2.3.2.23; EC 6.3.2.19; HOYS7; Use1
Gene ID	65264.0
SwissProt ID	Q9H832
Immunogen	Recombinant protein of human UBE2Z

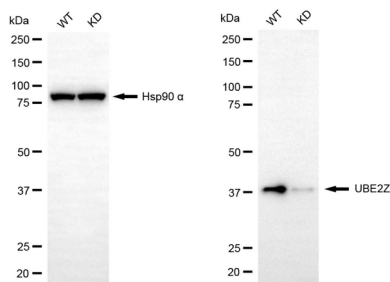
Background

This gene encodes an enzyme which ubiquitinates proteins which participate in signaling pathways and apoptosis. [provided by RefSeq, Feb 2012]

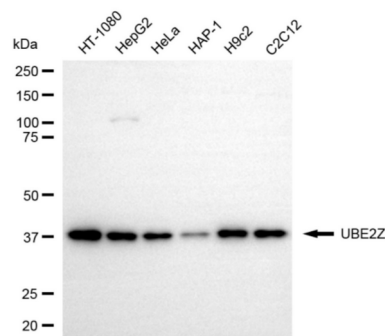
Research Area

Epigenetics and Nuclear Signaling, Cell Biology

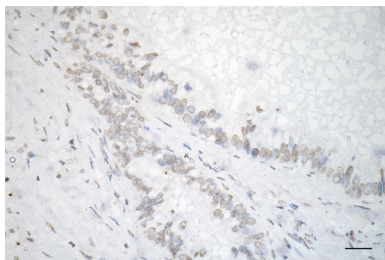
Image Data



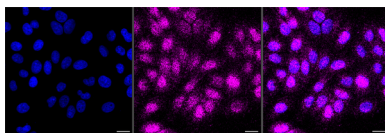
Western blotting analysis using UBE2Z antibody (KVA00415). UBE2Z expression in wild-type (WT) and UBE2Z knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with UBE2Z antibody (KVA00415, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



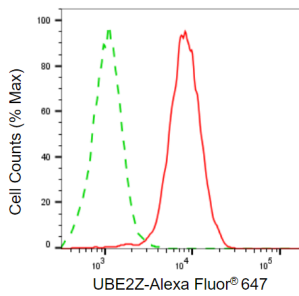
Western blotting analysis using UBE2Z antibody (KVA00415). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with UBE2Z antibody (KVA00415, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunohistochemistry was performed on paraffin-embedded human pancreatic adenocarcinoma using UBE2Z antibody (KVA00415, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Immunocytochemical staining of HepG2 cells with UBE2Z antibody (KVA00415, 1:1,000). Nuclei were stained blue with DAPI; UBE2Z 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 UBE2Z expression in HepG2 cells using UBE2Z antibody (KVA00415, 1:2,000). Green, isotype control; red, UBE2Z.