

Product Name: KD-Validated UBA2 Mouse Monoclonal Antibody**Catalog #: KVA01845**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB
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 1:500-1:2,500
Molecular Weight	Calculated MW: 71.2kDa

Antigen Information

Gene Name	UBA2
Alternative Names	UBA2; Ubiquitin Like Modifier Activating Enzyme 2; HRIHFB2115; SAE2; Anthracycline-Associated Resistance ARX; Ubiquitin-Like 1-Activating Enzyme E1B; SUMO1 Activating Enzyme Subunit 2; SUMO-Activating Enzyme Subunit 2; FLJ13058; UBA2, Ubiquitin-Activating Enzyme E1 Homolog (Yeast); UBA2, Ubiquitin-Activating Enzyme E1 Homolog; Ubiquitin-Like Modifier Activating Enzyme 2; Ubiquitin-Like Modifier-Activating Enzyme 2; SUMO-1 Activating Enzyme Subunit 2; EC 2.3.2.-; EC 6.3.2; UBLE1B; ACCES; ARX
Gene ID	10054.0
SwissProt ID	Q9UBT2
Immunogen	Recombinant protein of human UBA2

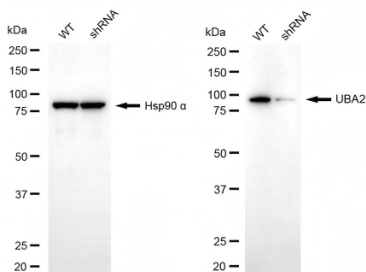
Background

Posttranslational modification of proteins by the addition of the small protein SUMO (see SUMO1; MIM 601912), or sumoylation, regulates protein structure and intracellular localization. SAE1 (MIM 613294) and UBA2 form a heterodimer that functions as a SUMO-activating enzyme for the sumoylation of proteins (Okuma et al., 1999 [PubMed 9920803]).[supplied by OMIM, Mar 2010]

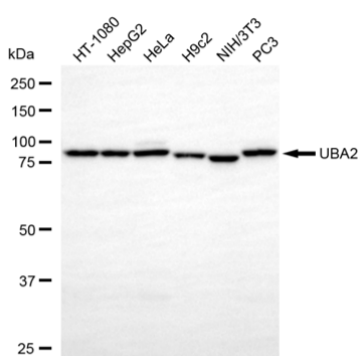
Research Area

Cell Biology

Image Data



Western blotting analysis using UBA2 antibody (KVA01845). UBA2 expression in wild-type (WT) and UBA2 shRNA knockdown (KD) HT-1080 cells with 20 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with UBA2 antibody (KVA01845, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using UBA2 antibody (KVA01845). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with UBA2 antibody (KVA01845, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.