

Product Name: KD-Validated UBA1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01831**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB
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
Molecular Weight	Calculated MW: 117.8kDa

Antigen Information

Gene Name	UBA1
Alternative Names	UBA1; Ubiquitin Like Modifier Activating Enzyme 1; CFAP124; UBE1X; POC20; A1S9T; UBE1; Ubiquitin-Like Modifier-Activating Enzyme 1; Ubiquitin-Activating Enzyme E1; GXP1; Ubiquitin-Activating Enzyme E1 (A1S9T And BN75 Temperature Sensitivity Complementing); UBA1, Ubiquitin-Activating Enzyme E1 Homolog (Yeast); A1S9T And BN75 Temperature Sensitivity Complementing; POC20 Centriolar Protein Homolog (Chlamydomonas); UBA1, Ubiquitin-Activating Enzyme E1 Homolog A; Ubiquitin-Like Modifier Activating Enzyme 1; Testicular Secretory Protein Li 63; POC20 Centriolar Protein Homolog; Protein A1S9; EC 6.2.1.45; AMCX1; SMAX2; UBA1A; VEXAS; A1S9; A1ST
Gene ID	7317.0
SwissProt ID	P22314

Immunogen

A synthesized peptide derived from human UBA1

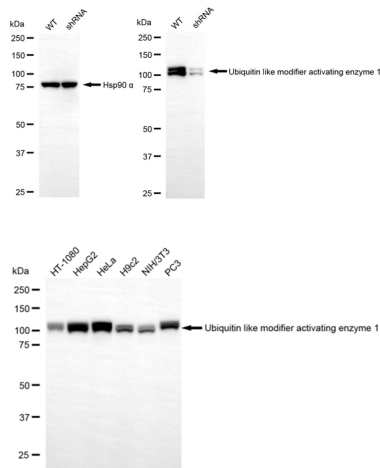
Background

The protein encoded by this gene catalyzes the first step in ubiquitin conjugation to mark cellular proteins for degradation. This gene complements an X-linked mouse temperature-sensitive defect in DNA synthesis, and thus may function in DNA repair. It is part of a gene cluster on chromosome Xp11.23. Alternatively spliced transcript variants that encode the same protein have been described. [provided by RefSeq, Jul 2008]

Research Area

Cell Biology, Epigenetics and Nuclear Signaling

Image Data



Western blotting analysis using ubiquitin like modifier activating enzyme 1 antibody (KVA01831). Ubiquitin like modifier activating enzyme 1 expression in wild-type (WT) and ubiquitin like modifier activating enzyme 1 (UBA1) shRNA knockdown (KD) HepG2 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with ubiquitin like modifier activating enzyme 1 antibody (KVA01831, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.

Western blotting analysis using Ubiquitin like modifier activating enzyme 1 antibody (KVA01831). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Ubiquitin like modifier activating enzyme 1 antibody (KVA01831, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.