

Product Name: KD-Validated Ring-Box 1 Mouse Monoclonal Antibody**Catalog #: KVA00603**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1 kappa
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 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 12.3kDa

Antigen Information

Gene Name	RBX1
Alternative Names	RBX1; Ring-Box 1; RNF75; ROC1; Regulator Of Cullins 1; BA554C12.1; E3 Ubiquitin-Protein Transferase RBX1; E3 Ubiquitin-Protein Ligase RBX1; RING Finger Protein 75; RING-Box Protein 1; Ring-Box 1, E3 Ubiquitin Protein Ligase; ZYP Protein; Protein ZYP; EC 2.3.2.27; EC 2.3.2.32; Rbx1
Gene ID	9978.0
SwissProt ID	P62877
Immunogen	Recombinant protein of human Rbx1

Background

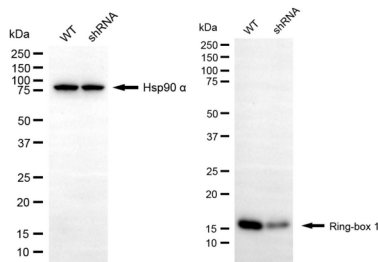
This locus encodes a RING finger-like domain-containing protein. The encoded protein interacts with cullin proteins and likely

plays a role in ubiquitination processes necessary for cell cycle progression. This protein may also affect protein turnover. Related pseudogenes exist on chromosomes 2 and 5.[provided by RefSeq, Sep 2010]

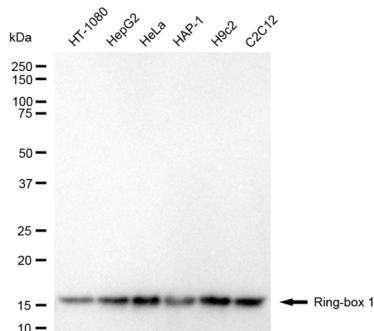
Research Area

Cell Biology, Epigenetics and Nuclear Signaling

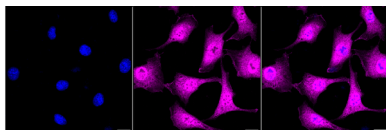
Image Data



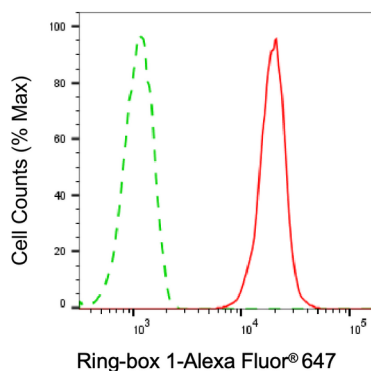
Western blotting analysis using ring-box 1 antibody (KVA00603). Ring-box 1 expression in wild-type (WT) and ring-box 1 (RBX1) shRNA knockdown (KD) HT-1080 cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with ring-box 1 antibody (KVA00603, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using ring-box 1 antibody (KVA00603). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with ring-box 1 antibody (KVA00603, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with Ring-box 1 antibody (KVA00603, 1:1,000). Nuclei were stained blue with DAPI; Ring-box 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain:High. Scale bar, 20 µm.



Flow cytometric analysis of Ring-box 1 expression in C2C12 cells using Ring-box 1 antibody (KVA00603, 1:2,000). Green, isotype control; red, Ring-box 1.