Product Name: **KD-Validated Ring Finger Protein 2 Recombinant Rabbit Monoclonal Antibody**

Catalog #: **KVAb00711**

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: 37.7kDa

Antigen Information

Gene Name	RNF2
Alternative Names	RNF2; Ring Finger Protein 2; RING1B; HIPI3; BAP1; DING; BAP-1; RING2; Huntingtin-Interacting Protein 2-Interacting Protein 3; RING-Type E3 Ubiquitin Transferase RING2; E3 Ubiquitin-Protein Ligase RING2; HIP2-Interacting Protein 3; RING Finger Protein BAP-1; RING Finger Protein 1B; Protein DinG; RING Finger Protein; EC 2.3.2.27; EC 6.3.2; LUSYAM; RING1b
Gene ID	6045.0
SwissProt ID	Q99496
Immunogen	A synthesized peptide derived from human RING2 / RING1B / RNF2

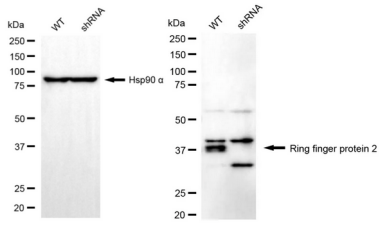
Background

Polycomb group (PcG) of proteins form the multiprotein complexes that are important for the transcription repression of various genes involved in development and cell proliferation. The protein encoded by this gene is one of the PcG proteins. It has been shown to interact with, and suppress the activity of, transcription factor CP2 (TFCP2/CP2). Studies of the mouse counterpart suggested the involvement of this gene in the specification of anterior-posterior axis, as well as in cell proliferation in early development. This protein was also found to interact with huntingtin interacting protein 2 (HIP2), an ubiquitin-conjugating enzyme, and possess ubiquitin ligase activity. [provided by RefSeq, Jul 2008]

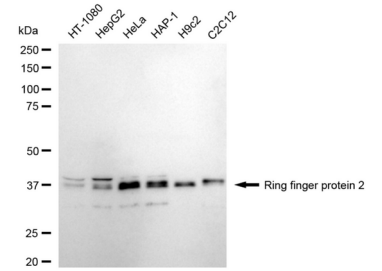
Research Area

Epigenetics and Nuclear Signaling

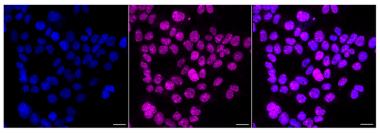
Image Data



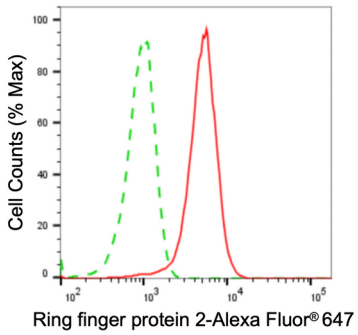
Western blotting analysis using ring finger protein 2 antibody (KVAb00711). Ring finger protein 2 expression in wild type (WT) and ring finger protein 2 (RNF2) shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with ring finger protein 2 antibody (KVAb00711, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using ring finger protein 2 antibody (KVAb00711). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with ring finger protein 2 antibody (KVAb00711, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of Hela cells with ring finger protein 2 antibody (KVAb00711, 1:1,000). Nuclei were stained blue with DAPI; ring finger protein 2 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 ring finger protein 2 expression in HeLa cells using ring finger protein 2 antibody (KVAb00711, 1:2,000). Green, isotype control; red, ring finger protein 2.