
Product Name: KD-Validated Ring Finger Protein 40 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00947**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,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; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 113.7kDa

Antigen Information

Gene Name	RNF40
Alternative Names	Ring Finger Protein 40; RBP95; BRE1B; KIAA0661; STARING; 95 KDa Retinoblastoma-Associated Protein; RING-Type E3 Ubiquitin Transferase BRE1B; E3 Ubiquitin-Protein Ligase BRE1B; BRE1-B; Ring Finger Protein 40, E3 Ubiquitin Protein Ligase; BRE1 E3 Ubiquitin Ligase Homolog B (S. Cerevisiae); 95 KDa Retinoblastoma Protein Binding Protein; BRE1 E3 Ubiquitin Ligase Homolog B; RING Finger Protein 40; Rb-Associated Protein; EC 2.3.2.27; EC 6.3.2
Gene ID	9810.0
SwissProt ID	O75150
Immunogen	A synthesized peptide derived from human RNF40

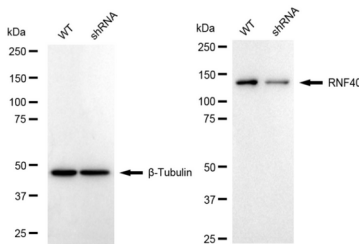
Background

The protein encoded by this gene contains a RING finger, a motif known to be involved in protein-protein and protein-DNA interactions. This protein was reported to interact with the tumor suppressor protein RB1. Studies of the rat counterpart suggested that this protein may function as an E3 ubiquitin-protein ligase, and facilitate the ubiquitination and degradation of syntaxin 1, which is an essential component of the neurotransmitter release machinery. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2011]

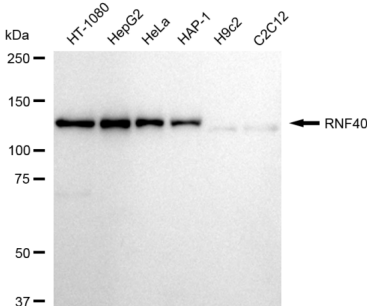
Research Area

Cell Biology

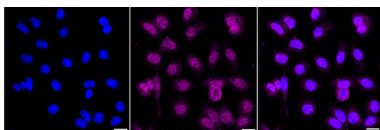
Image Data



Western blotting analysis using RNF40 antibody (KVA00947). RNF40 expression in wild type (WT) and RNF40 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with RNF40 antibody (KVA00947, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using RNF40 antibody (KVA00947). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with RNF40 antibody (KVA00947, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with RNF40 antibody (KVA00947, 1:1,000). Nuclei were stained blue with DAPI; RNF40 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.