
Product Name: KD-Validated RAP1B Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00390**

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 1:100-1:1,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 20.8kDa

Antigen Information

Gene Name	RAP1B RAP1B; RAP1B, Member Of RAS Oncogene Family; K-REV; RAL1B; GTP-Binding Protein Smg
Alternative Names	P21B; Ras-Related Protein Rap-1b; DKFZp586H0723; Ras Family Small GTP Binding Protein RAP1B; RAS-Related Protein RAP1B; Small GTP Binding Protein; EC 3.6.5.2; THC11
Gene ID	5908.0
SwissProt ID	P61224
Immunogen	A synthesized peptide derived from human RAP1A/B

Background

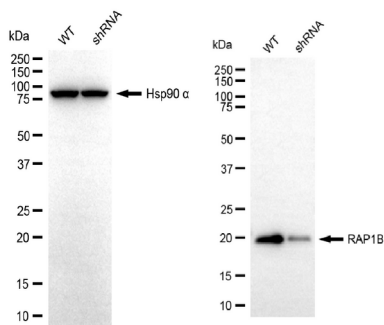
This gene encodes a member of the RAS-like small GTP-binding protein superfamily. Members of this family regulate multiple cellular processes including cell adhesion and growth and differentiation. This protein localizes to cellular membranes and has

been shown to regulate integrin-mediated cell signaling. This protein also plays a role in regulating outside-in signaling in platelets. Alternate splicing results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 3, 5, 6 and 9. [provided by RefSeq, Oct 2011]

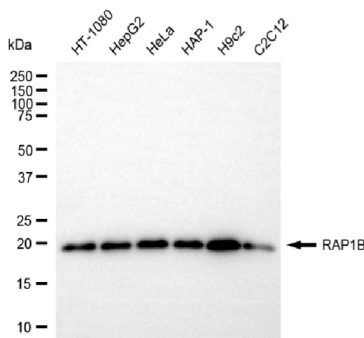
Research Area

Signal Transduction

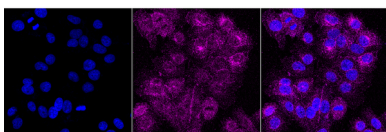
Image Data



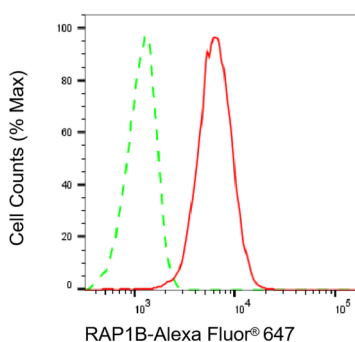
Western blotting analysis using RAP1B antibody (KVA00390). RAP1B expression in wild-type (WT) and RAP1B shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with RAP1B antibody (KVA00390, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using RAP1B antibody (KVA00390). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with RAP1B antibody (KVA00390, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with RAP1B antibody (KVA00390, 1:1,000). Nuclei were stained blue with DAPI; RAP1B was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Low. Scale bar, 20 µm.



Flow cytometric analysis of RAP1B expression in HepG2 cells using RAP1B antibody (KVA00390, 1:2,000). Green, isotype control; red, RAP1B.