
Product Name: KD-Validated RAB10 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00328**

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: 22.5kDa

Antigen Information

Gene Name	RAB10
Alternative Names	RAB10; RAB10, Member RAS Oncogene Family; Ras-Related GTP-Binding Protein; Ras-Related Protein Rab-10; GTP-Binding Protein RAB10; EC 3.6.5.2
Gene ID	10890.0
SwissProt ID	P61026
Immunogen	Recombinant protein of human RAB10

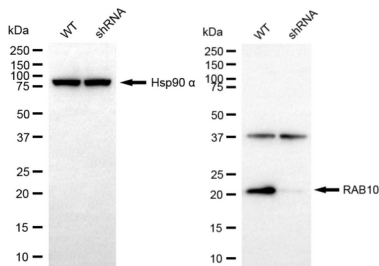
Background

RAB10 belongs to the RAS (see HRAS; MIM 190020) superfamily of small GTPases. RAB proteins localize to exocytic and endocytic compartments and regulate intracellular vesicle trafficking (Bao et al., 1998 [PubMed 9918381]).[supplied by OMIM, Mar 2009]

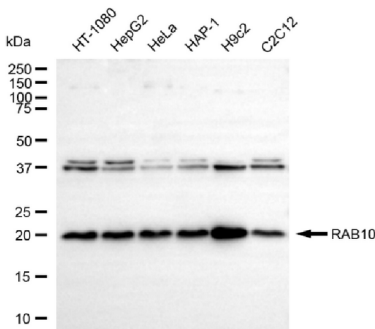
Research Area

Signal Transduction, Neuroscience

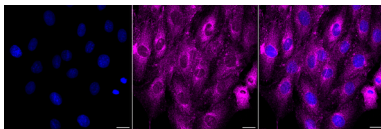
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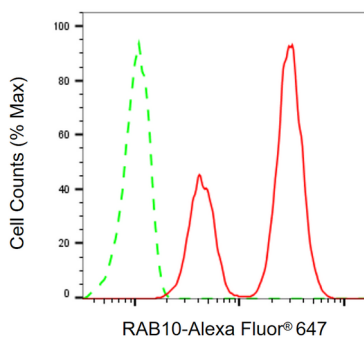
Western blotting analysis using RAB10 antibody (KVA00328). RAB10 expression in wild-type (WT) and RAB10 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with RAB10 antibody (KVA00328, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using RAB10 antibody (KVA00328). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with RAB10 antibody (KVA00328, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of H9c2 cells with RAB10 antibody (KVA00328, 1:1,000). Nuclei were stained blue with DAPI; RAB10 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 RAB10 expression in H9c2 cells using RAB10 antibody (KVA00328, 1:2,000). Green, isotype control; red, RAB10.