

Product Name: KD-Validated Rab9 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01817**

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: 22.8kDa

Antigen Information

Gene Name	RAB9A
Alternative Names	RAB9A; RAB9A, Member RAS Oncogene Family; RAB9; RAB9, Member RAS Oncogene Family; Ras-Related Protein Rab-9A
Gene ID	9367.0
SwissProt ID	P51151
Immunogen	A synthesized peptide derived from human Rab9

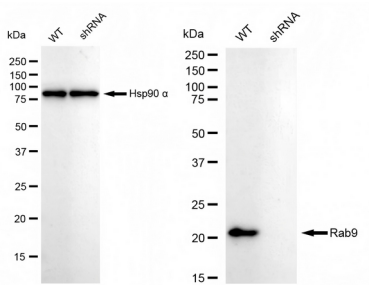
Background

Enables G protein activity; GDP binding activity; and GTP binding activity. Involved in positive regulation of exocytosis; receptor-mediated endocytosis; and regulation of protein localization. Located in late endosome; lysosome; and phagocytic vesicle. [provided by Alliance of Genome Resources, Jul 2025]

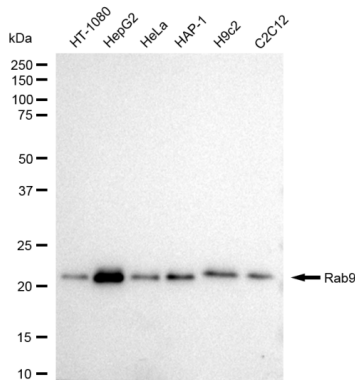
Research Area

Tags & Cell Markers, Signal Transduction

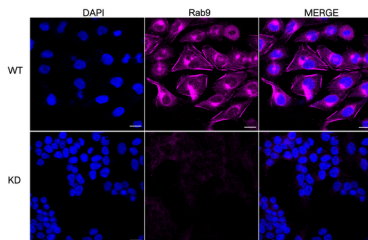
Image Data



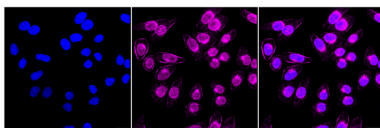
Western blotting analysis using Rab9 antibody (KVA01817). Rab9 expression in wild type (WT) and Rab9 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with Rab9 antibody (KVA01817, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



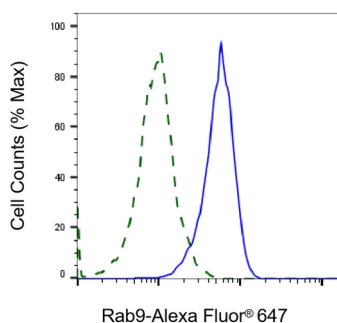
Western blotting analysis using Rab9 antibody (KVA01817). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Rab9 antibody (KVA01817, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



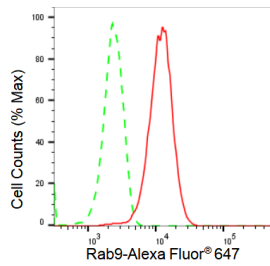
Immunocytochemical staining of HeLa cells using Rab9 antibody (KVA01817, 1:1,000), Top panel: wild-type (WT); Bottom panel: Rab9 shRNA knockdown (KD). Nuclei were stained blue with DAPI; Rab9 was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm. Permeabilization: Triton.



Immunocytochemical staining of HepG2 cells with Rab9 antibody (KVA01817, 1:1,000). Nuclei were stained blue with DAPI; Rab9 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.



Validation of Rab9 knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HeLa cells were stained with Rab9 antibody (KVA01817, 1:2,000) and analyzed using CytoFLEX.



Flow cytometric analysis of Rab9 expression in HepG2 cells using Rab9 antibody (KVA01817, 1:2,000). Green, isotype control; red, Rab9.