

Product Name: KD-Validated RAB5A Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00775**

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: 23.7kDa

Antigen Information

Gene Name	RAB5A
Alternative Names	RAB5A; RAB5A, Member RAS Oncogene Family; RAB5; RAS-Associated Protein RAB5A; Ras-Related Protein Rab-5A; EC 3.6.5.2
Gene ID	5868.0
SwissProt ID	P20339
Immunogen	A synthesized peptide derived from human Rab5

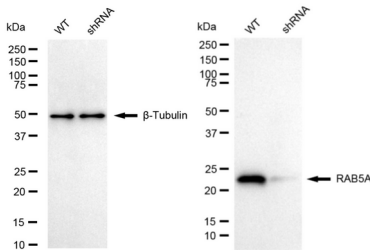
Background

Enables GDP binding activity; GTP binding activity; and GTPase activity. Involved in several processes, including amyloid-beta clearance by transcytosis; early endosome to late endosome transport; and regulation of exocytosis. Located in several cellular components, including cytoplasmic side of early endosome membrane; nucleoplasm; and terminal bouton. [provided by

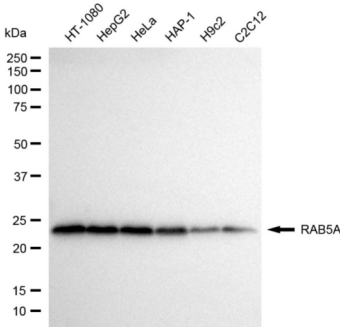
Research Area

Neuroscience, Tags & Cell Markers, Signal Transduction

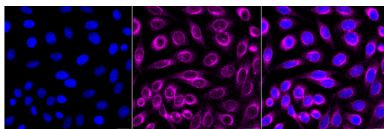
Image Data



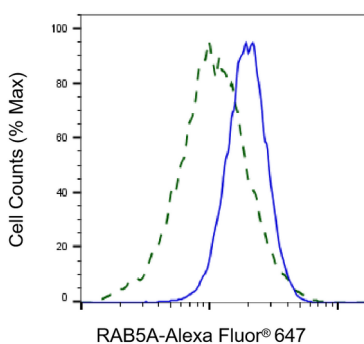
Western blotting analysis using RAB5A antibody (KVA00775). RAB5A expression in wild-type (WT) and RAB5A shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with RAB5A antibody (KVA00775, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



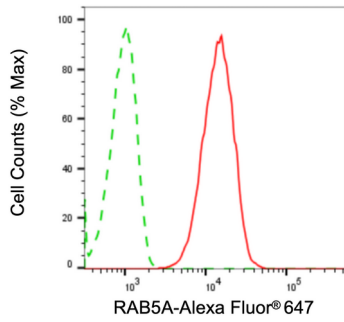
Western blotting analysis using RAB5A antibody (KVA00775). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with RAB5A antibody (KVA00775, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with RAB5A antibody (KVA00775, 1:1,000). Nuclei were stained blue with DAPI; RAB5A 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 μ m.



Validation of RAB5A knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HeLa cells were stained with RAB5A antibody (KVA00775, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of RAB5A expression in HepG2 cells using RAB5A antibody (KVA00775, 1:2,000). Green, isotype control; red, RAB5A.