

href="http://www.uniprot.org/citations/22939626" target="_blank">22939626). Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different sets of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion (PubMed:20639577, PubMed:20861236, PubMed:21303926, PubMed:22939626). RAB1A regulates vesicular protein transport from the endoplasmic reticulum (ER) to the Golgi compartment and on to the cell surface, and plays a role in IL-8 and growth hormone secretion (PubMed:21303926). Required to modulate the compacted morphology of the Golgi (PubMed:26209634). Regulates the level of CASR present at the cell membrane (PubMed:20861236). Plays a role in cell adhesion and cell migration, via its role in protein trafficking (PubMed:20639577). Plays a role in autophagosome assembly and cellular defense reactions against pathogenic bacteria (PubMed:22939626). Plays a role in microtubule-dependent protein transport by early endosomes and in anterograde melanosome transport (By similarity).

Cellular Location

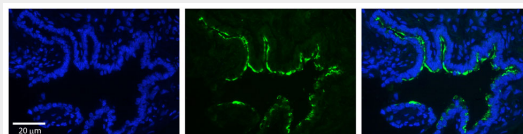
Golgi apparatus. Endoplasmic reticulum. Early endosome. Cytoplasm, cytosol. Membrane. Melanosome {ECO:0000250|UniProtKB:P62821}. Note=Alternates between membrane-associated and cytosolic forms.

RAB1A antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RAB1A antibody - middle region - Images



Rabbit Anti-RAB1A Antibody

Catalog Number: AI13962

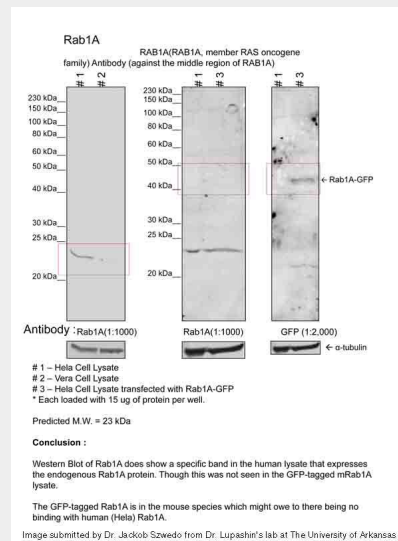
Formalin Fixed Paraffin Embedded Tissue: Human Bronchial Epithelial Tissue Observed Staining: Cytoplasmic in excellent staining

Primary Antibody

Concentration: 1:100

Secondary Antibody: Donkey anti-Rabbit-Cy3

Secondary Antibody
Concentration: 1:200
Magnification: 20X
Exposure Time: 0.5 - 2.0 sec



Sample Type: 1. Human Cervical Cancer cell lysate (15ug) 2. Monkey Fibroblast cell lysate (15ug) 3. Human Cervical Cancer Cell transfected with Rab1A-GFP (15ug) Primary Dilution: 1:1000
Secondary Antibody: goat anti-Rabbit Secondary Dilution: 1:40,000 Image Submitted by: Dr. Jakob Szewedo, Dr. Lupashin's Lab University of Arkansas for Medical Sciences See Customer Feedback tab for detailed information.

RAB1A antibody - middle region - References

- Zahraoui A., et al. J. Biol. Chem. 264:12394-12401(1989).
- Wiemann S., et al. Genome Res. 11:422-435(2001).
- Bechtel S., et al. BMC Genomics 8:399-399(2007).
- Ota T., et al. Nat. Genet. 36:40-45(2004).
- Puhl H.L. III, et al. Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.