

RAB11A Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8496b

Specification

RAB11A Antibody - Product Information

Application	WB, IHC-P,E
Primary Accession	P62491
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	monoclonal
Isotype	IgG1, κ
Calculated MW	24394

RAB11A Antibody - Additional Information

Gene ID 8766

Other Names

Ras-related protein Rab-11A, Rab-11, YL8, RAB11A, RAB11

Target/Specificity

This RAB11A antibody is generated from a mouse immunized with a purified recombinant protein of human RAB11A.

Dilution

WB~1:4000

IHC-P~1:25

Format

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

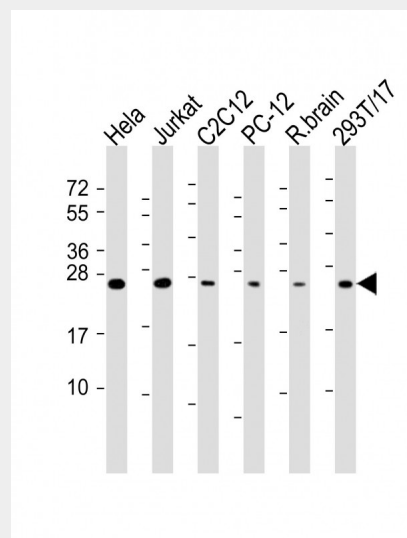
Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

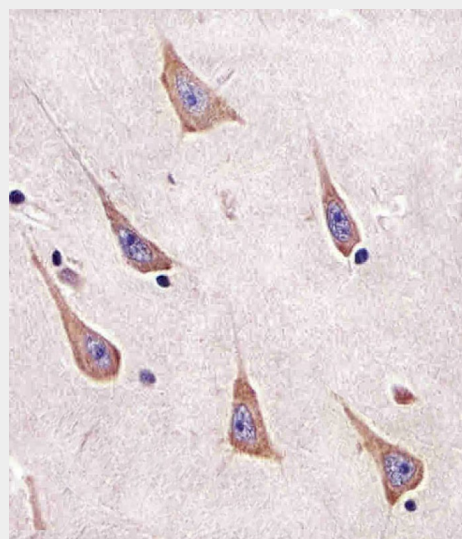
Precautions

RAB11A Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

RAB11A Antibody - Protein Information



All lanes : Anti-RAB11A Antibody at 1:4000 dilution Lane 1: HeLa whole cell lysate Lane 2: Jurkat whole cell lysate Lane 3: C2C12 whole cell lysate Lane 4: PC-12 whole cell lysate Lane 5: rat brain lysate Lane 6: 293T/17 whole cell lysate Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 24 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



AM8496b staining RAB11A in human brain

Name RAB11A

Synonyms RAB11

Function

The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different set of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion. The small Rab GTPase RAB11A regulates endocytic recycling. Acts as a major regulator of membrane delivery during cytokinesis. Together with MYO5B and RAB8A participates in epithelial cell polarization. Together with RAB3IP, RAB8A, the exocyst complex, PARD3, PRKCI, ANXA2, CDC42 and DNMBP promotes transcytosis of PODXL to the apical membrane initiation sites (AMIS), apical surface formation and lumenogenesis. Together with MYO5B participates in CFTR trafficking to the plasma membrane and TF (Transferrin) recycling in nonpolarized cells. Required in a complex with MYO5B and RAB11FIP2 for the transport of NPC1L1 to the plasma membrane. Participates in the sorting and basolateral transport of CDH1 from the Golgi apparatus to the plasma membrane. Regulates the recycling of FCGRT (receptor of Fc region of monomeric Ig G) to basolateral membranes. May also play a role in melanosome transport and release from melanocytes.

Cellular Location

Cell membrane; Lipid-anchor. Recycling endosome membrane; Lipid-anchor. Cleavage furrow. Cytoplasmic vesicle, phagosome. Cytoplasmic vesicle membrane. Note=Translocates with RAB11FIP2 from the vesicles of the endocytic recycling compartment (ERC) to the plasma membrane (PubMed:11994279). Localizes to the cleavage furrow (PubMed:15601896). Colocalizes with PARD3, PRKCI, EXOC5, OCLN, PODXL and RAB8A in apical membrane initiation sites (AMIS) during the generation of apical surface and lumenogenesis (PubMed:20890297) Recruited to phagosomes containing S.aureus or

sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

RAB11A Antibody - Background

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RAB11A Antibody - References

Drivas G.T.,et al.Oncogene 6:3-9(1991).
Zahraoui A.,et al.Submitted (NOV-1990) to the EMBL/GenBank/DDBJ databases.
Gromov P.S.,et al.FEBS Lett. 429:359-364(1998).
Puhl H.L. III,et al.Submitted (APR-2002) to the

M.tuberculosis (PubMed:21255211).

EMBL/GenBank/DDBJ databases.
Ebert L.,et al.Submitted (JUN-2004) to the
EMBL/GenBank/DDBJ databases.

RAB11A Antibody - 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](#)