

RAB5B Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8518B

Product Information

Application	WB, E
Primary Accession	P61020
Other Accession	P61021 , Q5RBG1
Reactivity	Human, Mouse
Predicted	Mouse
Host	Mouse
Clonality	monoclonal
Isotype	IgG1,k
Clone Names	1615CT668.28.45
Calculated MW	23707

Additional Information

Gene ID	5869
Other Names	Ras-related protein Rab-5B, RAB5B
Target/Specificity	This RAB5B antibody is generated from a mouse immunized with a recombinant protein of human RAB5B.
Dilution	WB~~1:2000-4000 E~~Use at an assay dependent concentration.
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	RAB5B Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	RAB5B (HGNC:9784)
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 sets of downstream effectors directly responsible for vesicle formation, movement,

tethering and fusion (PubMed:[16086013](#), PubMed:[17562788](#)). Involved in early endocytic trafficking (PubMed:[16086013](#), PubMed:[17562788](#)). Required for EEA1 recruitment to early endosomes (PubMed:[16086013](#), PubMed:[17562788](#)). Required for EGF and transferrin endocytosis and trafficking through early endosomes (PubMed:[16086013](#), PubMed:[17562788](#)).

Cellular Location

Cell membrane; Lipid-anchor; Cytoplasmic side. Early endosome membrane; Lipid-anchor. Melanosome. Note=Enriched in stage I melanosomes

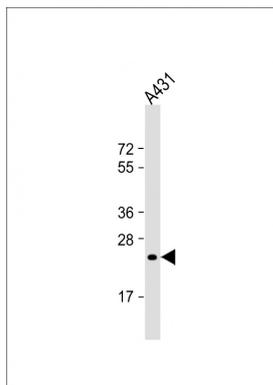
Background

Protein transport. Probably involved in vesicular traffic (By similarity).

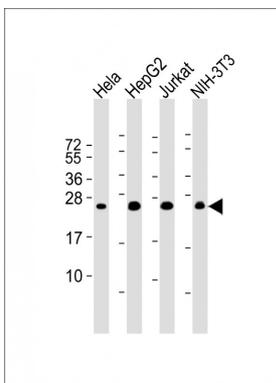
References

- Wilson D.B.,et al.J. Clin. Invest. 89:996-1005(1992).
Puhl H.L. III,et al.Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Scherer S.E.,et al.Nature 440:346-351(2006).

Images



Anti-RAB5B Antibody at 1:2000 dilution + A431 whole cell lysate Lysates/proteins at 20 µg 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.



All lanes : Anti-RAB5B Antibody at 1:2000 dilution Lane 1: HeLa whole cell lysate Lane 2: HepG2 whole cell lysate Lane 3: Jurkat whole cell lysate Lane 4: NIH-3T3 whole cell lysate Lysates/proteins at 20 µg 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.