

RAB4B Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP18987a

Specification

RAB4B Antibody (N-term) - Product Information

Application WB,E
Primary Accession P61018

Other Accession <u>P51146</u>, <u>Q91ZR1</u>, <u>Q68EK7</u>, <u>NP 057238.3</u>

Reactivity Human

Predicted Zebrafish, Mouse, Rat

Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Calculated MW 23587
Antigen Region 29-58

RAB4B Antibody (N-term) - Additional Information

Gene ID 53916

Other Names

Ras-related protein Rab-4B, RAB4B

Target/Specificity

This RAB4B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 29-58 amino acids from the N-terminal region of human RAB4B.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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

RAB4B Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

RAB4B Antibody (N-term) - Protein Information

Name RAB4B (HGNC:9782)



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 (By similarity). RAB4B mediates endosomal tethering and fusion through the interaction with RUFY1 and RAB14 (PubMed: 20534812). Acts as a regulator of platelet alpha-granule release during activation and aggregation of platelets (By similarity).

Cellular Location

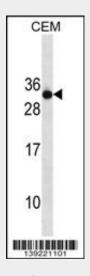
Cell membrane; Lipid-anchor; Cytoplasmic side. Early endosome membrane; Lipid-anchor; Cytoplasmic side

RAB4B Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RAB4B Antibody (N-term) - Images



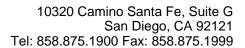
RAB4B Antibody (N-term) (Cat. #AP18987a) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the RAB4B antibody detected the RAB4B protein (arrow).

RAB4B Antibody (N-term) - Background

RAB proteins, such as RAB4B, are members of the RAS superfamily of small GTPases that are involved in vesicular trafficking (He et al., 2002 [PubMed 12450215]).

RAB4B Antibody (N-term) - References

Kaddai, V., et al. PLoS ONE 4 (4), E5257 (2009):





Lamesch, P., et al. Genomics 89(3):307-315(2007) Wan, D., et al. Proc. Natl. Acad. Sci. U.S.A. 101(44):15724-15729(2004) He, H., et al. Gene Expr. 10 (5-6), 231-242 (2002) :