10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

RAB4B Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP18987a

Specification

RAB4B Antibody (N-term) Blocking Peptide - Product Information

Primary Accession P61018

RAB4B Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 53916

Other Names
Ras-related protein Rab-4B, RAB4B

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RAB4B Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- Blocking Peptides

RAB4B Antibody (N-term) Blocking Peptide - Images

RAB4B Antibody (N-term) Blocking Peptide - Background

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

RAB4B Antibody (N-term) Blocking Peptide - 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) :