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RAB4B Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18987a

Product Information

Application	WB, E
Primary Accession	P61018
Other Accession	P51146, Q91ZR1, Q68EK7, NP_057238.3
Reactivity	Human
Predicted	Zebrafish, Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB39221
Calculated MW	23587
Antigen Region	29-58

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.

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

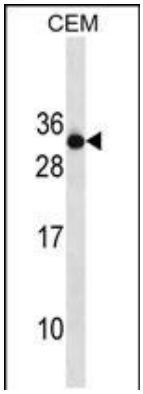
Background

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]).

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) :

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).

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