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RAB4A Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52759

Product Information

Primary Accession	P20338
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Calculated MW	24390

Additional Information

Gene ID	5867
Other Names	HRES 1 / RAB4;Oncogene RAB4;OTTHUMP00000042824;Rab 4;RAB 4A;RAB4 member RAS oncogene family;RAB4A;RAB4A member RAS oncogene family;RAB4A_HUMAN;Ras related protein Rab 4A;Ras related protein Rab4A;Ras-related protein Rab-4A.
Format	Purified mouse monoclonal in PBS(pH 7.4) containing with 0.09% (W/V) sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	RAB4A (HGNC:9781)
Synonyms	RAB4
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:15907487, PubMed:16034420). RAB4A is involved in protein transport (PubMed:29425100). Also plays a role in vesicular traffic. Mediates VEGFR2 endosomal trafficking to enhance VEGFR2 signaling (PubMed:29425100). Acts as a regulator of platelet alpha-granule release during activation and aggregation of platelets (By similarity).
Cellular Location	Membrane; Peripheral membrane protein. Cytoplasm Early endosome membrane {ECO:0000250|UniProtKB:P05714}; Peripheral membrane protein {ECO:0000250|UniProtKB:P05714}. Recycling endosome membrane {ECO:0000250|UniProtKB:P05714}; Peripheral membrane protein

{ECO:0000250|UniProtKB:P05714}. Note=Generally associated with membranes. Cytoplasmic when phosphorylated by CDK1

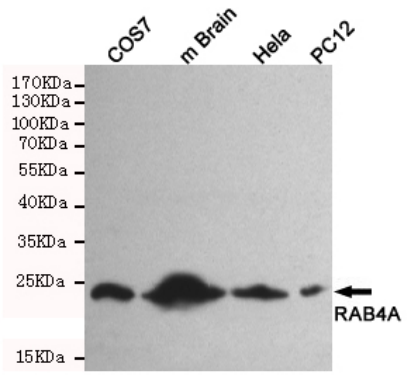
Background

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

References

Zahraoui A.,et al.J. Biol. Chem. 264:12394-12401(1989).
Nagy G.,et al.J. Biol. Chem. 281:34574-34591(2006).
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).
Gregory S.G.,et al.Nature 441:315-321(2006).

Images



Western blot detection of RAB4A in Hela,PC-12,COS7 and mouse brain cell lysates using RAB4A mouse mAb (1:500 diluted).Predicted band size:24KDa.Observed band size:24KDa.

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