

# RAB4A Antibody

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AP52759

## Product Information

Application	WB
Primary Accession	<a href="#">P20338</a>
Reactivity	Human, Mouse
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.
Dilution	WB~~1:500
Format	Purified mouse monoclonal in PBS(pH 7.4) containing with 0.09% (W/V) sodium azide and 50% glycerol.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

Name	RAB4A ( <a href="#">HGNC:9781</a> )
Synonyms	RAB4
Function	<p>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:<a href="#">15907487</a>, PubMed:<a href="#">16034420</a>). RAB4A is involved in protein transport (PubMed:<a href="#">29425100</a>). Also plays a role in vesicular traffic. Mediates VEGFR2 endosomal trafficking to enhance VEGFR2 signaling (PubMed:<a href="#">29425100</a>). Acts as a regulator of platelet alpha-granule release during activation and aggregation of platelets (By similarity).</p> <p>Membrane; Peripheral membrane protein. Cytoplasm Early endosome</p>

## Cellular Location

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

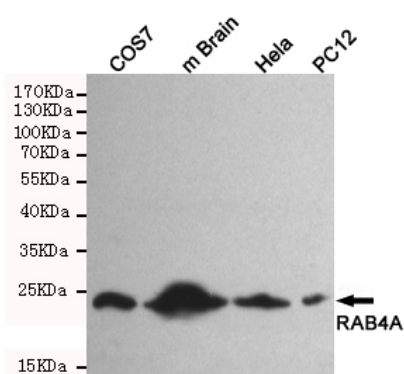
## Background

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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