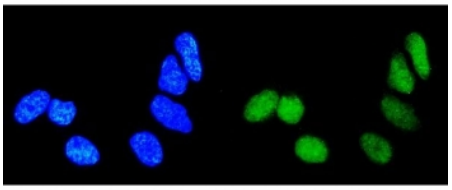
RAB9 Antibody (R32125)

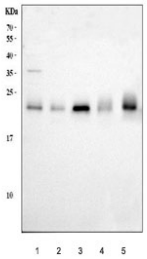
Catalog No.	Formulation	Size
R32125	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

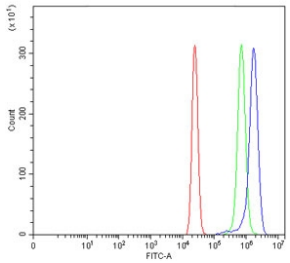
Availability	1-3 business days
Species Reactivity	Human, Mouse, Monkey
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P51151
Applications	Western blot: 0.5-1ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This RAB9 antibody is available for research use only.



Immunofluorescent staining of FFPE human HeLa cells with RAB9 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human K562, 2) human HepG2, 3) human 293T, 4) monkey COS-7 and 5) mouse NIH 3T3 cell lysate with RAB9 antibody. Expected molecular weight: ~23 kDa.



Flow cytometry testing of human U-2 OS cells with RAB9 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= RAB9 antibody.

Description

Ras-related protein Rab-9A, also called RAB9, is a protein that in humans is encoded by the RAB9A gene. This gene is mapped to Xp22.2. RAB9 has been localized to components of the endocytic/exocytic pathway and has been implicated in recycling of membrane receptors. It has been found that downregulation of RAB9A gene expression in HeLa cells induced severe cell vacuolation. RAB9A GTPase is directly bound by TIP47 in its active, GTP-bound conformation. Moreover, RAB9A increases the affinity of TIP47 for its cargo. Additionally, this gene may involved in the transport of proteins between the endosomes and the trans Golgi network. RAB9A has been shown to interact with RABEPK and TIP47.

Application Notes

Optimal dilution of the RAB9 antibody should be determined by the researcher.

Immunogen

Amino acids KDATNVAAAFEEAVRRVLATEDRSDHLIQTDTVNLHRK of human RAB9A were used as the immunogen for the RAB9 antibody.

Storage

After reconstitution, the RAB9 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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