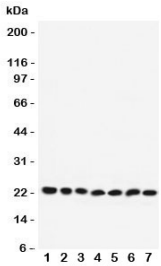
RAB9 Antibody (R31405)

Catalog No.	Formulation	Size
R31405	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, Rat
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/thimerosal
UniProt	P51151
Applications	Western blot: 0.5-1ug/ml
Limitations	This RAB9 antibody is available for research use only.



Western blot testing of RAB9 antibody and Lane 1: rat brain; 2: mouse brain; 3: human HeLa; 4: (r) PC12; 5: (m) NIH3T3; 6: (h) A431; 7: (h) 293T lysate. Expected/observed molecular weight: ~23 kDa.

Description

Ras-related protein Rab9A, also called Rab9, is a protein that in humans is encoded by the RAB9A gene. 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, the protein 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

The stated application concentrations are suggested starting amounts. Titration of the RAB9 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human RAB9A (RSDHLIQTDTVNLHRK) was used as the immunogen for this RAB9 antibody (100% rat homology).

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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