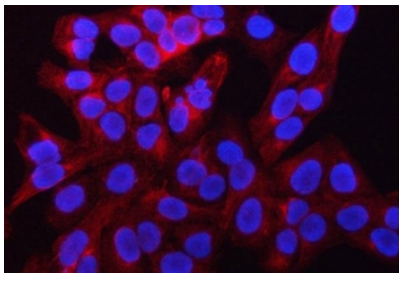
RAB39A/B Antibody (RQ8109)

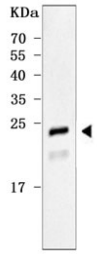
Catalog No.	Formulation	Size
RQ8109	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

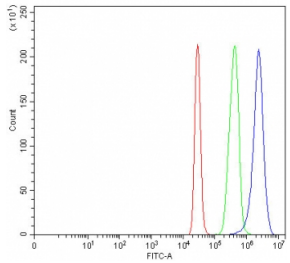
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q14964, Q96DA2
Localization	Cytoplasmic, cell membrane
Applications	Western blot: 0.5-1ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This RAB39A/B antibody is available for research use only.



Immunofluorescent staining of FFPE human U-2 OS cells with RAB39A/B antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human SH-SY5Y cell lysate with RAB39A/B antibody. Predicted molecular weight ~25 kDa with a possible RAB39A cleavage band also being observed.



Flow cytometry testing of fixed and permeabilized human 293T cells with RAB39A/B antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= RAB39A/B antibody.

Description

This gene encodes a protein which is a member of the Rab family.The Rab family of proteins is a member of the Ras superfamily of monomeric G proteins. Approximately 70 types of Rabs have now been identified in humans. Rab GTPases regulate many steps of membrane traffic, including vesicle formation, vesicle movement along actin and tubulin networks, and membrane fusion. These processes make up the route through which cell surface proteins are trafficked from the Golgi to the plasma membrane and are recycled. Surface protein recycling returns proteins to the surface whose function involves carrying another protein or substance inside the cell, such as the transferrin receptor, or serves as a means of regulating the number of a certain type of protein molecules on the surface.

Application Notes

Optimal dilution of the RAB39A/B antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids M1-C217) was used as the immunogen for the RAB39A/B antibody.

Storage

After reconstitution, the RAB39A/B antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

References (1)

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