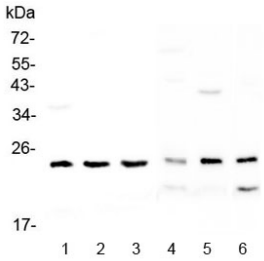
RAB6A Antibody (RQ4419)

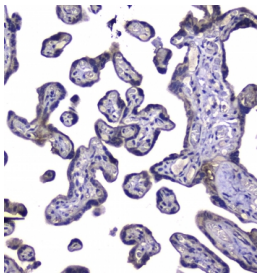
Catalog No.	Formulation	Size
RQ4419	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

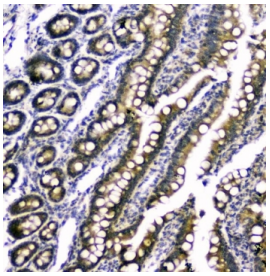
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P20340
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This RAB6A antibody is available for research use only.



Western blot testing of 1) human MDA-MB-453, 2) human SK-OV-3, 3) human A431, 4) rat testis, 5) mouse brain and 6) mouse HEPA1-6 lysate with RAB6A antibody at 0.5ug/ml. Predicted molecular weight ~24 kDa.



IHC staining of FFPE human placental tissue with RAB6A antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



IHC staining of FFPE rat small intestine tissue with RAB6A antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.

Description

Ras-related protein Rab-6A is a protein that in humans is encoded by the RAB6A gene located in the eleventh chromosome. This gene encodes a member of the RAB family, which belongs to the small GTPase superfamily. GTPases of the RAB family bind to various effectors to regulate the targeting and fusion of transport carriers to acceptor compartments. This protein is located at the Golgi apparatus, which regulates trafficking in both a retrograde (from early endosomes and Golgi to the endoplasmic reticulum) and an anterograde (from the Golgi to the plasma membrane) directions. Myosin II is an effector of this protein in these processes. This protein is also involved in assembly of human cytomegalovirus (HCMV) by interacting with the cellular protein Bicaudal D1, which interacts with the HCMV virion tegument protein, pp150. Multiple alternatively spliced transcript variants encoding different isoforms have been identified.

Application Notes

Optimal dilution of the RAB6A antibody should be determined by the researcher.

Immunogen

Amino acids RRVAAALPGMESTQDRSREDMIDIKLEKPQEQPVSE from the human protein were used as the immunogen for the RAB6A antibody.

Storage

After reconstitution, the RAB6A 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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