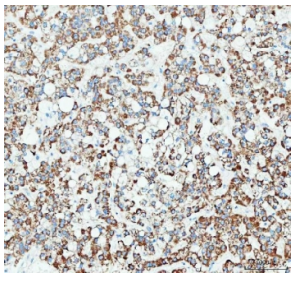
RAB3IP Antibody / Rab3A-interacting protein (RQ8597)

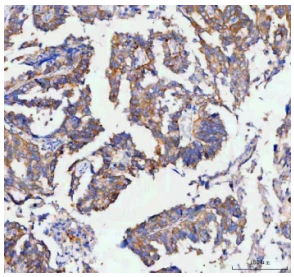
Catalog No.	Formulation	Size
RQ8597	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

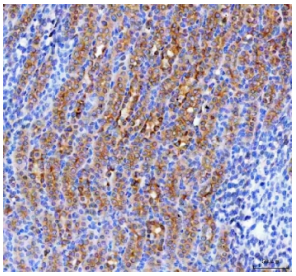
Availability	1-3 days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q96QF0
Localization	Cytoplasm, Nucleus
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells ELISA: 0.1-0.5ug/ml
Limitations	This RAB3IP antibody is available for research use only.



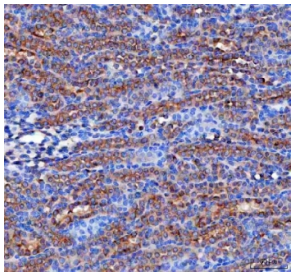
IHC staining of FFPE human liver cancer tissue with RAB3IP antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



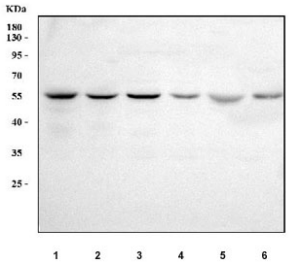
IHC staining of FFPE human ovarian serous adenocarcinoma tissue with RAB3IP antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



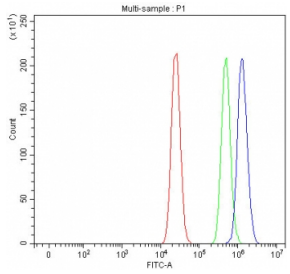
IHC staining of FFPE mouse kidney tissue with RAB3IP antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat kidney tissue with RAB3IP antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human Caco-2, 2) human Jurkat, 3) human MCF7, 4) human RT4, 5) rat brain and 6) mouse heart tissue lysate with RAB3IP antibody. Predicted molecular weight ~53 kDa with multiple isoforms.



Flow cytometry testing of fixed and permeabilized human MCF7 cells with RAB3IP antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= RAB3IP antibody.

Description

RAB3A-interacting protein is a protein that in humans is encoded by the RAB3IP gene. RAB3IP, also hnown as Rabin8, is a deduced 476-amino acid protein containing a central coiled-coil domain, a bipartite nuclear localization signal, and a C-terminal endoplasmic reticulum retention motif. Rabin8 has several sites for N-glycosylation and phosphorylation. Rabin8 plays important roles in various cellular processes, including ciliogenesis.The GEF activity of Rabin8 towards Rab8 is essential for ciliogenesis and cyst apical membrane transport,but not for exocytosis of discoidal/fusiform-shaped vesicles.

Application Notes

Optimal dilution of the RAB3IP antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids F25-R426) was used as the immunogen for the RAB3IP antibody.

Storage

After reconstitution, the RAB3IP 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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