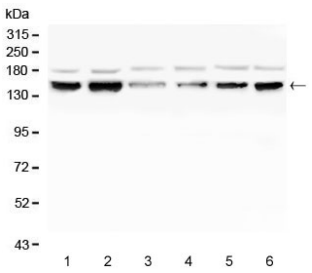
RAB3GAP2 Antibody (RQ5116)

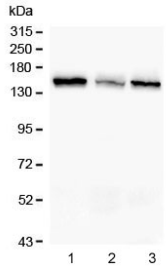
Catalog No.	Formulation	Size
RQ5116	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

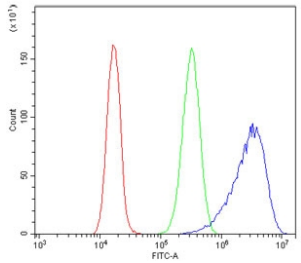
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q9H2M9
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 1-2ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This RAB3GAP2 antibody is available for research use only.



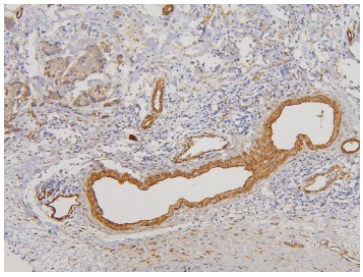
Western blot testing of human 1) K562, 2) HL60, 3) ThP-1, 4) Raji, 5) HeLa and 6) HepG2 cell lysate with RAB3GAP2 antibody. Predicted molecular weight ~156 kDa.



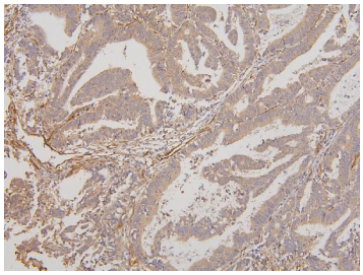
Western blot testing of mouse 1) thymus, 2) kidney and 3) HEPA1-6 lysate with RAB3GAP2 antibody. Predicted molecular weight ~156 kDa.



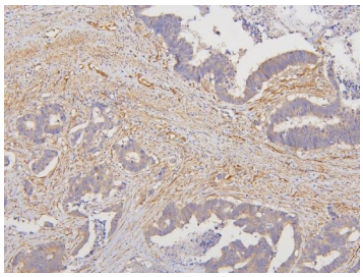
Flow cytometry testing of human Caco-2 cells with RAB3GAP2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= RAB3GAP2 antibody.



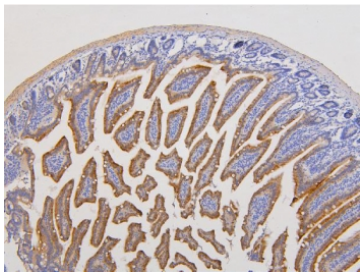
IHC staining of FFPE human breast cancer with RAB3GAP2 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



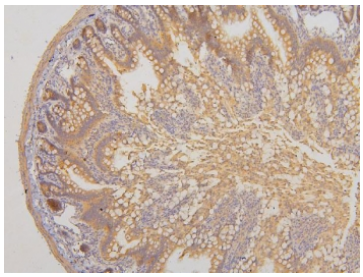
IHC staining of FFPE human rectal cancer with RAB3GAP2 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



IHC staining of FFPE human colon cancer with RAB3GAP2 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



IHC staining of FFPE mouse intestine with RAB3GAP2 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



IHC staining of FFPE rat intestine with RAB3GAP2 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.

Description

Rab3 GTPase-activating protein non-catalytic subunit is an enzyme that in humans is encoded by the RAB3GAP2 gene. It is mapped to 1q41. The protein encoded by this gene belongs to the RAB3 protein family, members of which are involved in regulated exocytosis of neurotransmitters and hormones. This protein forms the Rab3 GTPase-activating complex with RAB3GAP1, where it constitutes the regulatory subunit, whereas the latter functions as the catalytic subunit. This gene has the highest level of expression in the brain, consistent with it having a key role in neurodevelopment. Mutations in this gene are associated with Martsolf syndrome.

Application Notes

Optimal dilution of the RAB3GAP2 antibody should be determined by the researcher.

Immunogen

Amino acids M1-Q115 from the human protein were used as the immunogen for the RAB3GAP2 antibody.

Storage

Store the RAB3GAP2 antibody at -20oC.

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