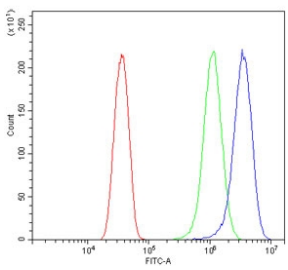
RAPGEF2 Antibody (RQ6152)

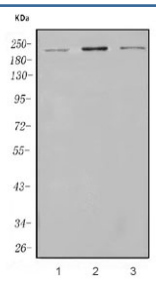
Catalog No.	Formulation	Size
RQ6152	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q9Y4G8
Applications	Western blot: 1-2ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This RAPGEF2 antibody is available for research use only.



Flow cytometry testing of human HeLa cells with RAPGEF2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= RAPGEF2 antibody.



Western blot testing of human 1) HeLa, 2) Jurkat and 3) SH-SY5Y cell lysate with RAPGEF2 antibody. Predicted molecular weight ~167 kDa, observed at 200-220 kDa.

Description

Rap guanine nucleotide exchange factor 2 is a protein that in humans is encoded by the RAPGEF2 gene. Members of the RAS subfamily of GTPases function in signal transduction as GTP/GDP-regulated switches that cycle between inactive GDP- and active GTP-bound states. Guanine nucleotide exchange factors (GEFs), such as RAPGEF2, serve as RAS activators by promoting acquisition of GTP to maintain the active GTP-bound state and are the key link between cell surface receptors and RAS activation.

Application Notes

Optimal dilution of the RAPGEF2 antibody should be determined by the researcher.

Immunogen

A human recombinant partial protein (amino acids S1266-V1499) was used as the immunogen for the RAPGEF2 antibody.

Storage

After reconstitution, the RAPGEF2 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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