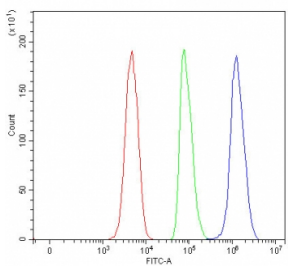
RUFY3 Antibody / RIPx (RQ8197)

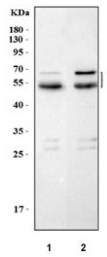
Catalog No.	Formulation	Size
RQ8197	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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
UniProt	Q7L099
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This RUFY3 antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human SH-SY5Y cells with RUFY3 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= RUFY3 antibody.



Western blot testing of 1) rat brain and 2) mouse brain tissue lysate with RUFY3 antibody. Predicted molecular weight: 53-70 kDa (multiple isoforms).

Description

The RUFY3 gene, also called RUN and FYVE domain-containing protein 3 and Rap2-interacting protein x (RIPx), encodes a RPIP8, UNC-14, and NESCA domain-containing protein that is required for maintenance of neuronal polarity. In addition, it has been implicated in mediation of gastric cancer cell migration and invasion via interaction with P21-activated kinase-1, which promotes its expression. The encoded protein localizes to F-actin-enriched invadopodia to induce formation of protrusions, thereby facilitating cell migration. Alternative splicing results in multiple transcript variants.

Application Notes

Optimal dilution of the RUFY3 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids M1-H469) was used as the immunogen for the RUFY3 antibody.

Storage

After reconstitution, the RUFY3 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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