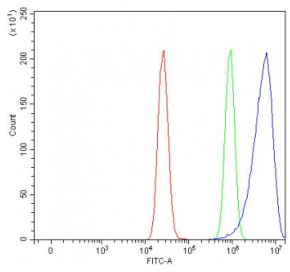
Neurabin 1 Antibody / PPP1R9A (RQ8043)

Catalog No.	Formulation	Size
RQ8043	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	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9ULJ8
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Neurabin 1 antibody is available for research use only.



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



Western blot testing of human 1) A549, 2) PC-3 and 3) U-251 cell lysate with Neurabin 1 antibody. Predicted molecular weight ~123 kDa with multiple isoforms. This protein is commonly observed at ~180 kDa (p180) and ~140 kDa.

Description

Neurabin-1 is a protein that in humans is encoded by the PPP1R9A gene. This gene is imprinted, and located in a cluster of imprinted genes on chromosome 7q12. This gene is transcribed in both neuronal and multiple embryonic tissues, and it is maternally expressed mainly in embryonic skeletal muscle tissues and biallelically expressed in other embryonic tissues. The protein encoded by this gene includes a PDZ domain and a sterile alpha motif (SAM). It is a regulatory subunit of protein phosphatase I, and controls actin cytoskeleton reorganization. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the Neurabin 1 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids Q204-K1043) was used as the immunogen for the Neurabin 1 antibody.

Storage

After reconstitution, the Neurabin 1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

References (1)

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