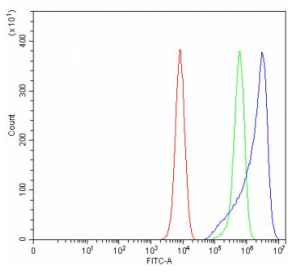
RTN4IP1 Antibody / Reticulon-4-interacting protein 1 (RQ8581)

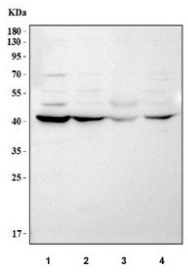
Catalog No.	Formulation	Size
RQ8581	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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	Q8WWV3
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells ELISA: 0.1-0.5ug/ml
Limitations	This RTN4IP1 antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human K562 cells with RTN4IP1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= RTN4IP1 antibody.



Western blot testing of 1) rat liver, 2) rat kidney, 3) mouse liver and 4) mouse kidney tissue lysate with RTN4IP1 antibody. Predicted molecular weight ~44 kDa.

Description

This gene encodes a mitochondrial protein that interacts with reticulon 4, which is a potent inhibitor of regeneration following spinal cord injury. This interaction may be important for reticulon-induced inhibition of neurite growth. Mutations in this gene can cause optic atrophy 10, with or without ataxia, cognitive disability, and seizures. There is a pseudogene for this gene on chromosome 12. Alternative splicing results in multiple transcript variants.

Application Notes

Optimal dilution of the RTN4IP1 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids M1-K381) was used as the immunogen for the RTN4IP1 antibody.

Storage

After reconstitution, the RTN4IP1 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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