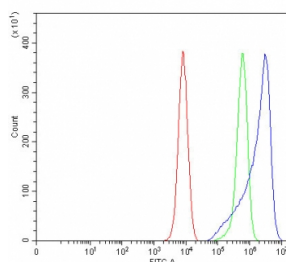


## RTN4IP1 Antibody / Reticulon-4-interacting protein 1 (RQ8581)

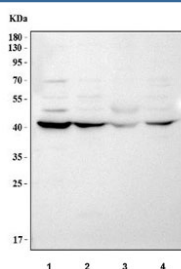
Catalog No.	Formulation	Size
RQ8581	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q8WWV3
<b>Applications</b>	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	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.