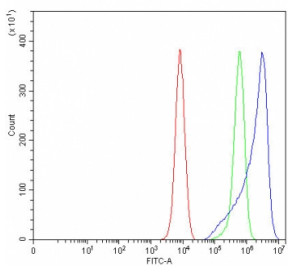
# RTN4IP1 Antibody / Reticulon-4-interacting protein 1 (RQ8581)

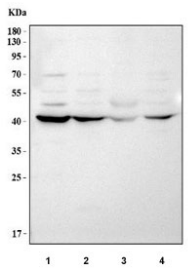
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ8581 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**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<br>Flow Cytometry : 1-3ug/million cells<br>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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