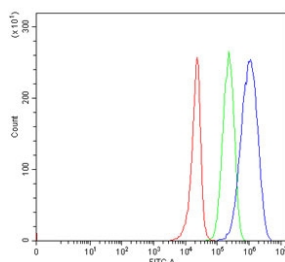


## TRIM3 Antibody (RQ7462)

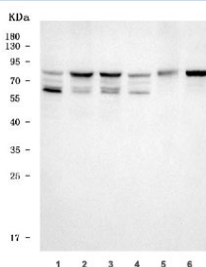
| Catalog No. | Formulation                                           | Size   |
|-------------|-------------------------------------------------------|--------|
| RQ7462      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

|                           |                                                                                                  |
|---------------------------|--------------------------------------------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business 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>            | O75382                                                                                           |
| <b>Applications</b>       | Western Blot : 0.5-1ug/ml<br>Flow Cytometry : 1-3ug/million cells<br>Direct ELISA : 0.1-0.5ug/ml |
| <b>Limitations</b>        | This TRIM3 antibody is available for research use only.                                          |



Flow cytometry testing of human 293T cells with TRIM3 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= TRIM3 antibody.



Western blot testing of 1) human 293T, 2) human T-47D, 3) human MCF7, 4) human HeLa, 5) rat brain and 6) mouse brain tissue lysate with TRIM3 antibody. Predicted molecular weight: 68-81 kDa (multiple isoforms).

## Description

Tripartite motif-containing protein 3 is a protein that in humans is encoded by the TRIM3 gene. The protein encoded by this gene is a member of the tripartite motif (TRIM) family, also called the 'RING-B-box-coiled-coil' (RBCC) subgroup of RING finger proteins. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. This protein localizes to cytoplasmic filaments. It is similar to a rat protein which is a specific partner for the tail domain of myosin V, a class of myosins which are involved in the targeted transport of organelles. The rat protein can also interact with alpha-actinin-4. Thus it is suggested that this human protein may play a role in myosin V-mediated cargo transport. Alternatively spliced transcript variants encoding the same isoform have been identified.

## Application Notes

Optimal dilution of the TRIM3 antibody should be determined by the researcher.

## Immunogen

E. coli-derived recombinant human protein (amino acids Q77-R433) was used as the immunogen for the TRIM3 antibody.

## Storage

After reconstitution, the TRIM3 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.