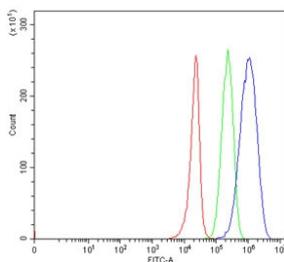


## TRIM3 Antibody (RQ7462)

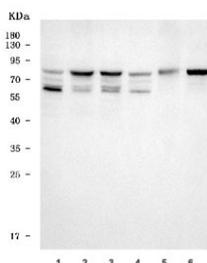
Catalog No.	Formulation	Size
RQ7462	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<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 Flow Cytometry : 1-3ug/million cells 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 1 ug/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 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.