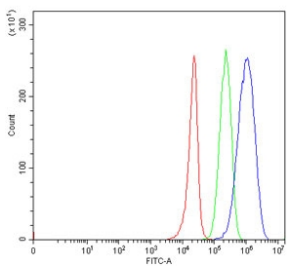
TRIM3 Antibody (RQ7462)

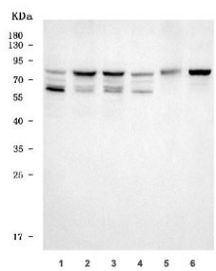
Catalog No.	Formulation	Size
RQ7462	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business 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	O75382
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	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 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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