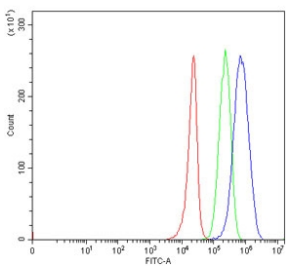
TRIT1 Antibody / IPT (RQ7537)

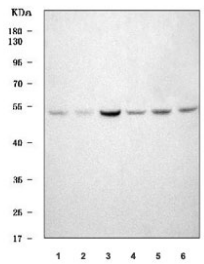
Catalog No.	Formulation	Size
RQ7537	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
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	Q9H3H1
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This TRIT1 antibody is available for research use only.



Flow cytometry testing of human 293T cells with TRIT1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= TRIT1 antibody.



Western blot testing of human 1) Jurkat, 2) Raji, 3) K562, 4) RT4, 5) HEL and 6) HeLa cell lysate with TRIT1 antibody. Predicted molecular weight ~53 kDa.

Description

tRNA isopentenyltransferase, mitochondrial, also called IPP transferase (IPT) is an enzyme that in humans is encoded by the TRIT1 gene. This gene encodes a protein that that is targeted to the mitochondrion and modifies transfer RNAs (tRNAs) by adding a dimethylallyl group onto the adenine at position 37. This modification is important for maintaining the correct reading frame during protein translation. This gene is considered a tumor suppressor and its expression can decrease cell growth. Alternative splicing results in multiple transcripts variants, most of which are likely non-functional.

Application Notes

Optimal dilution of the TRIT1 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids L16-K415) was used as the immunogen for the TRIT1 antibody.

Storage

After reconstitution, the TRIT1 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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