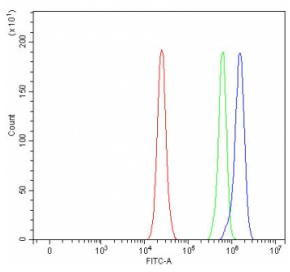
PTP-MEG2 Antibody / PTPN9 (RQ8369)

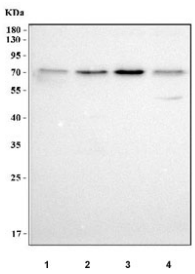
Catalog No.	Formulation	Size
RQ8369	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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	P43378
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This PTP-MEG2 antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human RT4 cells with PTP-MEG2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PTP-MEG2 antibody.



Western blot testing of human 1) A549, 2) 293T, 3) Raji and 4) RT4 cell lysate with PTP-MEG2 antibody. Predicted molecular weight ~68 kDa.

Description

Tyrosine-protein phosphatase non-receptor type 9, also called Protein-tyrosine phosphatase MEG2, PTPase MEG2 and PTP-MEG2, is an enzyme that in humans is encoded by the PTPN9 gene. The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP contains an N-terminal domain that shares a significant similarity with yeast SEC14, which is a protein that has phosphatidylinositol transfer activity and is required for protein secretion through the Golgi complex in yeast. This PTP was found to be activated by polyphosphoinositide, and is thought to be involved in signaling events regulating phagocytosis.

Application Notes

Optimal dilution of the PTP-MEG2 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (Q145-I571) was used as the immunogen for the PTP-MEG2 antibody.

Storage

After reconstitution, the PTP-MEG2 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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