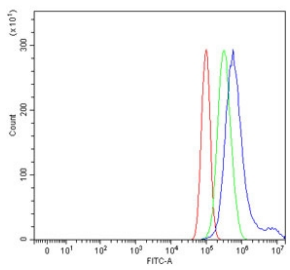
TCPTP Antibody / PTPN2 (RQ6673)

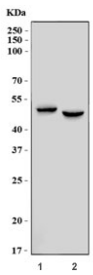
Catalog No.	Formulation	Size
RQ6673	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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	P17706
Applications	Western Blot : 1-2ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This TCPTP antibody is available for research use only.



Flow cytometry testing of human PC-3 cells with TCPTP antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= TCPTP antibody.



Western blot testing of human 1) HeLa and 2) K562 cell lysate with TCPTP antibody. Predicted molecular weight ~48 kDa.

Description

TCPTP, also called as PTPN2, is a member of the protein tyrosine phosphatase (PTP) family. Members of the PTP family share a highly conserved catalytic motif, which is essential for the catalytic activity. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. Epidermal growth factor receptor and the adaptor protein Shc were reported to be substrates of this PTP, which suggested the roles in growth factor mediated cell signaling. Multiple alternatively spliced transcript variants encoding different isoforms have been found. Two highly related but distinctly processed pseudogenes that localize to chromosomes 1 and 13, respectively, have been reported.

Application Notes

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

Immunogen

Recombinant human protein (amino acids M1-R255) was used as the immunogen for the TCPTP antibody.

Storage

After reconstitution, the TCPTP 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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