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PTPRU

Reactivity: Mouse Rat

Tested applications:WB

Recommended Dilution:WB 1:500 - 1:2000

Calculated MW:162kDa

Observed MW: Refer to figures

Immunogen:

Recombinant protein of human PTPRU

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

FMI; PTP; PCP-2; PTP-J; PTPRO; PTPU2; PTP-PI; PTP-RO; PTPPSI; hPTP-J; R-PTP-U; R-PTP-PSI;

Catalog #:A8475

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID:10076

Isotype: IgG

Swiss Prot:Q92729

Purity: Affinity purification

For research use only.

Background:

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 possesses an extracellular region, a single transmembrane region, and two tandem intracellular catalytic domains, and thus represents a receptor-type PTP. The extracellular region contains a meprin-A5 antigen-PTP (MAM) domain, Ig-like and fibronectin type III-like repeats. This PTP was thought to play roles in cell-cell recognition and adhesion. Studies of the similar gene in mice suggested the role of this PTP in early neural development. The expression of this gene was reported to be regulated by phorbol myristate acetate (PMA) or calcium ionophore in Jurkat T lymphoma cells. Alternatively spliced transcript variants have been reported.

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