

PTPN7

Reactivity:Human

Tested applications:WB

Recommended Dilution:WB 1:500 - 1:2000

Calculated MW:41kDa

Observed MW:Refer to figures

Immunogen:

Recombinant protein of human PTPN7

Storage Buffer:

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

Concentration:

o

Synonym:

LTPP; HEPTP; PTPNI; BTPP-4; LC-PTP;

Catalog #:A4062

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:5778

Isotype:IgG

Swiss Prot:P35236

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 gene is preferentially expressed in a variety of hematopoietic cells, and is an early response gene in lymphokine stimulated cells. The non-catalytic N-terminus of this PTP can interact with MAP kinases and suppress the MAP kinase activities. This PTP was shown to be involved in the regulation of T cell antigen receptor (TCR) signaling, which was thought to function through dephosphorylating the molecules related to MAP kinase pathway. Multiple alternatively spliced transcript variants have been found for this gene.

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