

Phospho-PTPN11-Y580

Reactivity: Human Mouse Rat

Tested applications: IHC

Recommended Dilution: IHC 1:50 - 1:100

Calculated MW: 72kDa

Observed MW: Refer to Figures

Immunogen:

A phospho specific peptide corresponding to residues surrounding Y580 of human PTPN11

Storage Buffer:

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

Concentration:

0

Synonym:

CFC; NS1; SHP2; BTP3; PTP2C; PTP-1D; SH-PTP2; SH-PTP3;

Catalog #: AP0439

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 5781

Isotype: IgG

Swiss Prot: Q06124

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 contains two tandem Src homology-2 domains, which function as phospho-tyrosine binding domains and mediate the interaction of this PTP with its substrates. This PTP is widely expressed in most tissues and plays a regulatory role in various cell signaling events that are important for a diversity of cell functions, such as mitogenic activation, metabolic control, transcription regulation, and cell migration. Mutations in this gene are a cause of Noonan syndrome as well as acute myeloid leukemia. Two transcript variants encoding different isoforms have been found for this gene.

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