

SHP-1 mc	ouse mA	b
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Catalog No: YM1456

Reactivity: Human

Applications: WB;IP

Target: SHP-1

Fields: >>Adherens junction;>>JAK-STAT signaling pathway;>>Natural killer cell

mediated cytotoxicity;>>T cell receptor signaling pathway;>>B cell receptor

signaling pathway;>>Pathogenic Escherichia coli

infection;>>Leishmaniasis;>>Proteoglycans in cancer;>>PD-L1 expression and

PD-1 checkpoint pathway in cancer

Gene Name: ptpn6

Human Gene Id: 5777

Human Swiss Prot

No:

Mouse Swiss Prot

No:

Immunogen: Purified recombinant human SHP-1 protein fragments expressed in E.coli.

Specificity: This antibody detects endogenous levels of SHP-1 and does not cross-react

with related proteins.

P29350

P29351

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Monoclonal, Mouse

Dilution: wb dilution 1:1000

Purification: The antibody was affinity-purified from mouse ascites by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

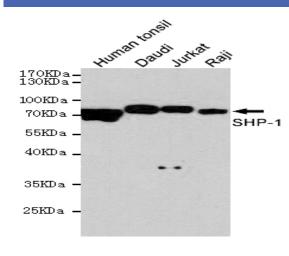
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Best Tools for immunology Research -15°C to -25°C/1 year(Do not lower than -25°C) **Storage Stability:** Observed Band: 68kD Adherens Junction; Jak STAT; Natural killer cell mediated **Cell Pathway:** cytotoxicity; T Cell Receptor; B Cell Antigen; The protein encoded by this gene is a member of the protein tyrosine **Background:** 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. N-terminal part of this PTP contains two tandem Src homolog (SH2) domains, which act as protein phospho-tyrosine binding domains, and mediate the interaction of this PTP with its substrates. This PTP is expressed primarily in hematopoietic cells, and functions as an important regulator of multiple signaling pathways in hematopoietic cells. This PTP has been shown to interact with, and dephosphorylate a wide spectrum of phosphoproteins involved in hematopoietic cell signaling. Multiple alternatively spliced variants of this gene, which encode distinct isoforms, have been reported. [provided by RefSeq, Jul **Function:** catalytic activity:Protein tyrosine phosphate + H(2)O = protein tyrosine + phosphate., function: Plays a key role in hematopoiesis. This PTPase activity may directly link growth factor receptors and other signaling proteins through proteintyrosine phosphorylation. The SH2 regions may interact with other cellular components to modulate its own phosphatase activity against interacting substrates. Together with MTUS1, induces UBE2V2 expression upon angiotensin II stimulation., PTM: Phosphorylated on serine and tyrosine residues..similarity:Belongs to the protein-tyrosine phosphatase family. Nonreceptor class 2 subfamily., similarity: Contains 1 tyrosine-protein phosphatase domain., similarity: Contains 2 SH2 domains., subcellular location: In neurons, translocates into the nucleus after treatment with angiotensin II., subunit: Monomer. Interacts with MTUS1 (By similarity). Binds PTPNS1, LILRB1 and LI Subcellular Cytoplasm. Nucleus. In neurons, translocates into the nucleus after treatment with angiotensin II (By similarity). Shuttles between the cytoplasm and nucleus via Location: its association with PDPK1... Isoform 1 is expressed in hematopoietic cells. Isoform 2 is expressed in non-**Expression:** hematopoietic cells. Tag: qi Sort: 16313 No4:

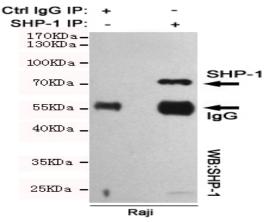
Mouse

Mostifications: Unmodified

Products Images



Western blot detection of SHP-1 in Human tonsil, Daudi, Jurkat and Raji cell lysates using SHP-1 mouse mAb (1:1000 diluted). Predicted band size:67KDa. Observed band size:67KDa.



Immunoprecipitation analysis of Raji cell lysates using SHP-1 mouse mAb.