

SH-PTP1 (phospho-Tyr564) Polyclonal Antibody

Catalog No: #13524



Package Size: #13524-1 50ul #13524-2 100ul

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Description

Product Name	SH-PTP1 (phospho-Tyr564) Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB,ELISA
Species Reactivity	Human;Monkey
Specificity	Phospho-SH-PTP1 (Y564) Polyclonal Antibody detects endogenous levels of SH-PTP1 protein only when phosphorylated at Y564.
Immunogen Description	The antiserum was produced against synthesized peptide derived from human SHP-1 around the phosphorylation site of Tyr564. AA range:530-579
Conjugates	Unconjugated
Other Names	PTPN6; HCP; PTP1C; Tyrosine-protein phosphatase non-receptor type 6; Hematopoietic cell protein-tyrosine phosphatase; Protein-tyrosine phosphatase 1C; PTP-1C; Protein-tyrosine phosphatase SHP-1; SH-PTP1
Accession No.	Swiss Prot:P29350GenID:5777
SDS-PAGE MW	70
Concentration	1 mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	-20°C/1

Application Details

Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.

Background

protein tyrosine phosphatase, non-receptor type 6(PTPN6) *Homo sapiens* 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. 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 phospho-proteins involved in hematopoietic cell signaling. Multiple alternatively spliced variants of this gene, which encode distinct isoforms, have been reported. [provided by RefSeq, Jul 2008]

Note: This product is for in vitro research use only and is not intended for use in humans or animals.