

Datasheet for ABIN5957429
anti-SHP1 antibody (Tyr536)



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Overview

Quantity:	200 µL
Target:	SHP1 (PTPN6)
Binding Specificity:	Tyr536
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SHP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Synthesized peptide derived from human SH-PTP1 around the non-phosphorylation site of Y536.
Isotype:	IgG
Specificity:	70Z-SHP,EC 3.1.3.48,HCP,HCPH,Hematopoietic cell phosphatase,Hematopoietic cell protein tyrosine phosphatase,Hematopoietic cell protein-tyrosine phosphatase,HPTP1C,Protein tyrosine phosphatase 1C,Protein tyrosine phosphatase non receptor type 6,Protein tyrosine phosphatase SHP1,Protein-tyrosine phosphatase 1C,protein-tyrosine phosphatase SHP 1,Protein-tyrosine phosphatase SHP-1,PTN6,PTP 1C,PTP-1C,PTP1C,Ptpn6,SH PTP 1,SH PTP1,SH-PTP1,SHP 1,SHP 1L,SHP1,SHP1L,tyrosine protein phosphatase non receptor type 6,Tyrosine-protein phosphatase non-receptor type 6
Purification:	Affinity purification

Target Details

Target:	SHP1 (PTPN6)
Alternative Name:	SH-PTP1 (PTPN6 Products)
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. 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.
Molecular Weight:	68kDa
Gene ID:	5777
UniProt:	P29350
Pathways:	JAK-STAT Signaling , TCR Signaling , TLR Signaling , Nuclear Receptor Transcription Pathway , Positive Regulation of Peptide Hormone Secretion , Steroid Hormone Mediated Signaling Pathway , Response to Growth Hormone Stimulus , Regulation of Leukocyte Mediated Immunity , CXCR4-mediated Signaling Events , Signaling Events mediated by VEGFR1 and VEGFR2 , BCR Signaling

Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:100-1:300, ELISA 1:20000
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 0.5 % BSA and 50 % glycerol pH 7.4.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.