

## Anti-Phospho-SHP-1 (Tyr564) Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Human,Monkey
Conjugation:	Unconjugated
Molecular Weight:	Actual: 70 kDa.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

## Applications

Application:	ELISA,WB
Recommended	WB: 1:500-2000; ELISA: 1:5000

## Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	A synthesized phosphopeptide: human SHP-1 around the phosphorylation site of Tyr564. AA range:530-579
Antigen Species:	Human
Uniprot ID:	P29350
Synonyms:	SH1 (p-Y564);p-SHP-1 (Y564);SH1 (p-Tyr564);p-SHP-1 (Tyr564)

## Research 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

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