



## Rabbit Anti-phospho-PTPN7 (Ser93) antibody

SL5558R

<b>Product Name:</b>	phospho-PTPN7 (Ser93)
<b>Chinese Name:</b>	磷酸化非受体型蛋白酪氨酸磷酸酶7抗体
<b>Alias:</b>	PTPN7(phospho S93); BTPP 4; BTPP4; Dual specificity phosphatase 1; Hematopoietic protein tyrosine phosphatase; LC PTP; LCPTP; LPTP; Protein tyrosine phosphatase non receptor type stress induced; Protein tyrosine phosphatase nonreceptor type stress induced; Protein tyrosine phosphatase LC PTP; Protein tyrosine phosphatase non receptor type 7; PTPN 7; PTPNI; Tyrosine protein phosphatase non receptor type 7; PTN7 HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Cow,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	40kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated Synthesised phosphopeptide derived from human PTPN7 around the phosphorylation site of Ser93:VR(p-S)LG
<b>Isotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>

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 gene is preferentially expressed in a variety of hematopoietic cells, and is an early response gene in lymphokine stimulated cells. The non-catalytic N-terminus of this PTP can interact with MAP kinases and suppress the MAP kinase activities. This PTP was shown to be involved in the regulation of T cell antigen receptor (TCR) signaling, which was thought to function through dephosphorylating the molecules related to MAP kinase pathway. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq].

**Function:**

Protein phosphatase that acts preferentially on tyrosine-phosphorylated MAPK1. Plays a role in the regulation of T and B-lymphocyte development and signal transduction.

**Subunit:**

Monomer. Interacts with MAPK1, MAPK3 and several other MAP kinases.

**Subcellular Location:**

Cytoplasm.

**Tissue Specificity:**

Expressed exclusively in thymus and spleen.

**Similarity:**

Belongs to the protein-tyrosine phosphatase family. Non-receptor class subfamily. Contains 1 tyrosine-protein phosphatase domain.

**SWISS:**

P35236

**Gene ID:**

5778

**Database links:**

[Entrez Gene: 5778](#) Human

[Entrez Gene: 320139](#) Mouse

[Entrez Gene: 246781](#) Rat

[Omim: 176889](#) Human

[SwissProt: P35236](#) Human

**Product Detail:**

[SwissProt: Q8BUM3](#) Mouse

[SwissProt: P49445](#) Rat

[Unigene: 402773](#) Human

[Unigene: 258388](#) Mouse

[Unigene: 10160](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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