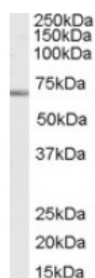




## SHP-1 Antibody

CATALOG NUMBER: 45-128



Western Blot (0.2ug/ml) staining of Jurkat cell lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### Specifications

<b>SPECIES REACTIVITY:</b>	Human
<b>TESTED APPLICATIONS:</b>	ELISA, WB
<b>APPLICATIONS:</b>	ELISA: antibody detection limit dilution 1:128000. Western Blot: Approx 70kDa band observed in lysates of cell lines Jurkat and U937 (calculated MW of 67.7kDa according to NP_536858.1 and 67.6kDa according to NP_002822.2). Recommended concentration: 0.2-0.5ug/ml.
<b>POSITIVE CONTROL:</b>	1) Cat. No. 1205 - Jurkat Cell Lysate
<b>SPECIFICITY:</b>	This antibody is expected to recognise both reported isoforms (NP_536858.1 and NP_002822.2)
<b>IMMUNOGEN:</b>	SHP-1 antibody was raised against a 13 amino acid synthetic peptide near the internal region (near the C-Terminus) of SHP-1.
<b>HOST SPECIES:</b>	Goat

### Properties

<b>PURIFICATION:</b>	SHP-1 antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	SHP-1 antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
<b>CONCENTRATION:</b>	500 ug/mL
<b>STORAGE CONDITIONS:</b>	Aliquot and store at -20°C. Minimize freezing and thawing.
<b>CLONALITY:</b>	Polyclonal
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	SHP-1, protein tyrosine phosphatase, non-receptor type 6, HCP, HCPH, HPTP1C, PTP-1C, SH-PTP1, SHP-1, SHP-1L, SHP1, 70 kDa SHP-1L protein, hematopoietic cell phosphatase, hematopoietic cell protein-tyrosine phosphatase, protein-tyrosine phosphatase 1C, PTP1C
<b>ACCESSION NO.:</b>	NP_536858.1, NP_002822.2

**PROTEIN GI NO.:** 18104991

**OFFICIAL SYMBOL:** PTPN6

**GENE ID:** 5777

### Background

**REFERENCES:** 1) Dubois MJ, Bergeron S, Kim HJ, Dombrowski L, Perreault M, Fournes B, Faure R, Olivier M, Beauchemin N, Shulman GI, Siminovitch KA, Kim JK, Marette A. The SHP-1 protein tyrosine phosphatase negatively modulates glucose homeostasis. *Nat Med.* 2006 May;12(5):549-56. Epub 2006 Apr 16.

**FOR RESEARCH USE ONLY**

December 13, 2016