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ProSci Incorporated
12170 Flint Place
Poway, CA 92064

Toll Free: +1 (888) 513 9525
Local: +1 (858) 513 2638
Fax: +1 (858) 513 2692

techsupport@prosci-inc.com

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

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	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.
POSITIVE CONTROL:	1) Cat. No. 1205 - Jurkat Cell Lysate
SPECIFICITY:	This antibody is expected to recognise both reported isoforms (NP_536858.1and NP_002822.2)
IMMUNOGEN:	SHP-1 antibody was raised against a 13 amino acid synthetic peptide near the internal region (near the C-Terminus) of SHP-1.
HOST SPECIES:	Goat

Properties

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

Additional Info

ALTERNATE NAMES:	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
ACCESSION NO.:	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.

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