www.antibodiesinc.com
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530-758-4400

PRODUCT DATASHEET

Anti-SHP1 (C-terminal region) Antibody

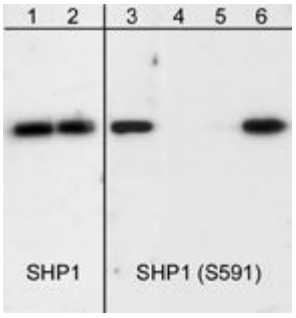
phosphosolutions ANTIBODIES THAT WORK

Product Details

Available Variants	100 µL (SKU:SM1601)
Conjugate	Unconjugated
Isotype	IgG1
Clone	M160
Gene Name	PTPN6
Host Species	Mouse
Format	Protein A Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, ICC, IP, WB
Dilution Ranges	WB: 1:500 ICC: 1:100 IP: 1:100
Species Reactivity	Human, Mouse, Rat
Immunogen	Clone (M160) was generated from a recombinant protein containing amino acids in the C-terminal region of human SHP1. This sequence is highly conserved in rat and mouse SHP1.
Specificity	The antibody detects a 68 kDa* protein in human A431 and Jurkat cells, and does not cross-react with SHP2.
Molecular Weight	68
Quality Control	Western blots performed on each lot.

Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
UniProt ID	P29350 UniProt Summary: Tyrosine phosphatase enzyme that plays important roles in controlling immune signaling pathways and fundamental physiological processes such as hematopoiesis. Dephosphorylates and negatively regulate several receptor tyrosine kinases (RTKs) such as EGFR, PDGFR and FGFR, thereby modulating their signaling activities. When recruited to immunoreceptor tyrosine-based inhibitory motif (ITIM)-containing receptors such as immunoglobulin-like transcript 2/LILRB1, programmed cell death protein 1/PDCD1, CD3D, CD22, CLEC12A and other receptors involved in immune regulation, initiates their dephosphorylation and subsequently inhibits downstream signaling events. Modulates the signaling of several cytokine receptors including IL-4 receptor. Additionally, targets multiple cytoplasmic signaling molecules including STING1, LCK or STAT1 among others involved in diverse cellular processes including modulation of T-cell activation or cGAS-STING signaling. Within the nucleus, negatively regulates the activity of some transcription factors such as NFAT5 via direct dephosphorylation. Also acts as a key transcriptional regulator of hepatic gluconeogenesis by controlling recruitment of RNA polymerase II to the PCK1 promoter together with STAT5A.
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
NCBI Gene ID	5777

Product Images



Western blot analysis of human Jurkat cells treated with pervanadate (1 mM) for 30 min. The blot was exposed to lambda phosphatase (lanes 2 & 4) then probed with anti-SHP1 (C-terminal) antibody (lanes 1 & 2) or anti-SHP1 (Ser-591) antibody (lanes 3-6). The SHP1 (Ser-591) antibody was used in the presence of phospho-SHP1 (Ser-591) peptide (lane 5) or a non-specific phospho- serine peptide (lane 6).

Created on 20. November 2026 | All information without guarantee