

Datasheet for ABIN533154
anti-SHP1 antibody (C-Term)[Go to Product page](#)**1** Image**3** Publications

Overview

Quantity:	100 µL
Target:	SHP1 (PTPN6)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SHP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunoprecipitation (IP)

Product Details

Purpose:	Mouse monoclonal antibody raised against partial recombinant PTPN6.
Immunogen:	Recombinant protein corresponding to C-terminus of human PTPN6.
Clone:	M160
Isotype:	IgG1
Specificity:	This sequence is highly conserved in rat and mouse SHP1.
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

Target:	SHP1 (PTPN6)
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Target Details

Alternative Name:	PTPN6 (PTPN6 Products)
Gene ID:	5777
Pathways:	JAK-STAT Signaling , TCR Signaling , TLR Signaling , Nuclear Receptor Transcription Pathway , Positive Regulation of Peptide Hormone Secretion , Steroid Hormone Mediated Signaling Pathway , Response to Growth Hormone Stimulus , Regulation of Leukocyte Mediated Immunity , CXCR4-mediated Signaling Events , Signaling Events mediated by VEGFR1 and VEGFR2 , BCR Signaling

Application Details

Application Notes:	ELISA (1:2000) Immunocytochemistry (1:100) Immunoprecipitation (5-10 µL) Western Blot (1:500) The optimal working dilution should be determined by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	In PBS (50 % glycerol, 1 mg/mL BSA, 0.05 % sodium azide)
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

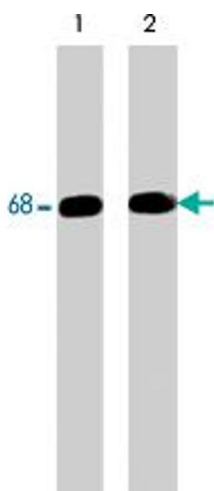
Publications

Product cited in:	Jones, Craik, Gibbins, Poole: "Regulation of SHP-1 tyrosine phosphatase in human platelets by serine phosphorylation at its C terminus." in: The Journal of biological chemistry , Vol. 279, Issue 39, pp. 40475-83, (2004) (PubMed).
	Zhang, Shen, Lu, Cole: "The role of C-terminal tyrosine phosphorylation in the regulation of SHP-

1 explored via expressed protein ligation." in: **The Journal of biological chemistry**, Vol. 278, Issue 7, pp. 4668-74, (2003) ([PubMed](#)).

Zhang, Somani, Siminovitch: "Roles of the SHP-1 tyrosine phosphatase in the negative regulation of cell signalling." in: **Seminars in immunology**, Vol. 12, Issue 4, pp. 361-78, (2000) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of human Jurkat cells treated with pervanadate (1 mM) for 30 min (lane 1 & 2). The blot was exposed to lambda phosphatase (lane 2) then probed with PTPN6 monoclonal antibody, clone M160 .