

Datasheet for ABIN2179186
anti-SHP1 antibody (AA 501-595)



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1 Image

Overview

Quantity:	100 µL
Target:	SHP1 (PTPN6)
Binding Specificity:	AA 501-595
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SHP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PTPN6/SHP1
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Dog,Cow,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	SHP1 (PTPN6)
Alternative Name:	Shp1 (PTPN6 Products)
Background:	Synonyms: HCP, HCPH, SHP1, SHP-1, HPTP1C, PTP-1C, SHP-1L, SH-PTP1, Tyrosine-protein

Target Details

phosphatase non-receptor type 6, Hematopoietic cell protein-tyrosine phosphatase, Protein-tyrosine phosphatase 1C, Protein-tyrosine phosphatase SHP-1, PTPN6, PTP1C

Background: Modulates signaling by tyrosine phosphorylated cell surface receptors such as KIT and the EGF receptor/EGFR. The SH2 regions may interact with other cellular components to modulate its own phosphatase activity against interacting substrates. Together with MTUS1, induces UBE2V2 expression upon angiotensin II stimulation. Plays a key role in hematopoiesis.

Gene ID: 5777

UniProt: [P29350](#)

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: WB 1:300-5000
ELISA 1:500-1000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

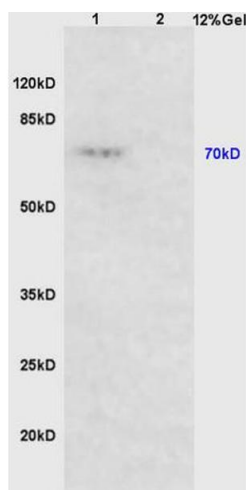
Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months



Western Blotting

Image 1. Lane 1:rat heart lysates Lane 2: human myeloma cell(S/P20) lysates probed with Anti PTPN6/SHP1 Polyclonal Antibody, Unconjugated at 1:3000 90min in 37°C. Predicted band 70kD. Observed band size: 70kD.