

Datasheet for ABIN1531195
anti-SHP1 antibody (pTyr536)



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	SHP1 (PTPN6)
Binding Specificity:	AA 502-551, pTyr536
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SHP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human SHP-1 around the phosphorylation site of Tyr536.
Isotype:	IgG
Specificity:	SHP-1 (Phospho-Tyr536) Antibody detects endogenous levels of SHP-1 only when phosphorylated at Tyr536. PhosphorylationH:Y536 M:Y536 R:Y538
Purification:	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Purity:	> 95 %

Target Details

Target:	SHP1 (PTPN6)
Alternative Name:	SHP-1 (PTPN6 Products)
Background:	Synonyms: 70Z-SHP, HCP, HCPH, Hematopoietic cell protein-tyrosine phosphatase, PTN6, PTP-1C, PTP1C, PTPN6, Protein-tyrosine phosphatase 1C, Protein-tyrosine phosphatase SHP-1, Protein-tyrosine phosphatase, non-receptor type 6, SH-PTP1 NCBI Gene Symbol: PTPN6
Molecular Weight:	67 kDa
Gene ID:	5777
OMIM:	176883
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: 1:500~1:1000 IHC: 1:50~1:100 ELISA: 1:10000
Comment:	Unigene-Number: Hs.63489 (NCBI Gene Symbol: PTPN6)
Restrictions:	For Research Use only

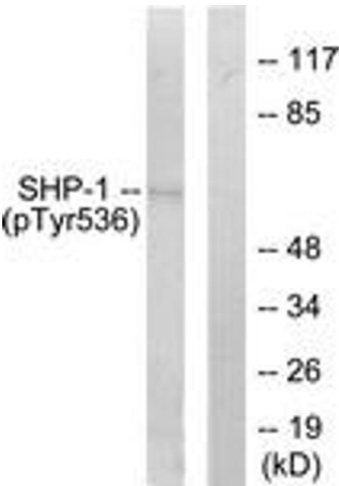
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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

Handling

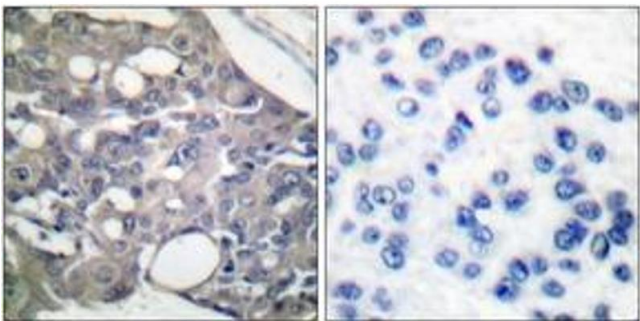
Storage Comment:	Stable at -20°C for at least 1 year.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Western blot analysis of extracts from RAW264.7 cells treated with EGF 200ng/ml 5', using SHP-1 (Phospho-Tyr536) Antibody. The lane on the right is treated with the synthesized peptide.



Immunohistochemistry

Image 2. Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using SHP-1 (Phospho-Tyr536) Antibody. The picture on the right is treated with the synthesized peptide.