

Rabbit SHP2 Polyclonal Antibody | anti-PTPN11 antibody

SHP2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39657	Rabbit	Human, Mouse, Rat	Immunofluorescence, Western Blot, ELISA

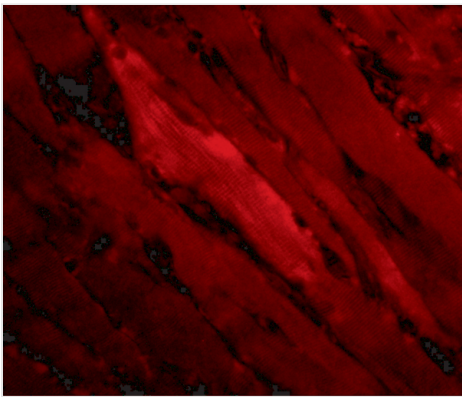
PRODUCT SYNONYMS

SHP2; Polyclonal Antibody; SHP2 Antibody; CFC; NS1; BPTP3; PTP2C; PTP-1D; SH-PTP2; SH-PTP3; SHPTP2; Tyrosine-protein phosphatase non-receptor type 11; Protein-tyrosine phosphatase 1D; protein tyrosine phosphatase; non-receptor type 11; anti-PTPN11 antibody

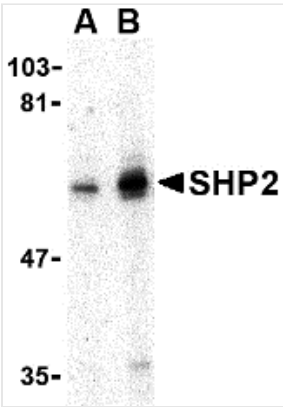
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	SHP2 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	593
Applicable Applications for anti-PTPN11 antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	SHP2 antibody was raised against a 14 amino acid synthetic peptide from near the amino terminus of human SHP2.
Buffer	SHP2 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	SHP2 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IF (Immunofluorescence)
Immunofluorescence of SHP2 in Human Skeletal Muscle cells with SHP2 antibody at 20 μg/mL.



WB (Western Blot)
Western blot analysis of SHP2 in mouse skeletal muscle tissue lysate with SHP2 antibody at (A) 0.5 and (B) 1 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-PTPN11 antibody	SHP2 Antibody: Src homology-2 domain containing protein (SHP2) is a member of the protein tyrosine phosphatase (PTP) family, a protein family that contains signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. SHP2 contains two tandem Src homology-2 (SH2) domains, which function as phosphotyrosine binding domains either directly or through scaffolding intermediates such as the insulin-receptor substrate 1 (IRS-1). These SH2 domains mediate the interaction of SHP2 with its substrates, allowing SHP2 to dephosphorylate proteins that inhibit signaling kinases such as ERK1 and AKT. SHP2 is widely expressed in most tissues and plays a regulatory role in various cell signaling events that are important for a diversity of cell functions, such as mitogenic activation, metabolic control, transcription regulation, and cell migration. Recent experiments have shown SHP2 plays a significant role in hepatoprotection and liver regeneration.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	33356177
NCBI GeneID	5781
NCBI Accession #	NP_002825
NCBI GenBank Nucleotide #	NM_002834.3
UniProt Accession #	Q06124; Q96HD7; A8K1D9
Molecular Weight	52,828 Da
NCBI Official Full Name	tyrosine-protein phosphatase non-receptor type 11 isoform 1
NCBI Official Synonym Full Names	protein tyrosine phosphatase, non-receptor type 11
NCBI Official Symbol	PTPN11
NCBI Official Synonym Symbols	CFC; NS1; SHP2; BPTP3; PTP2C; PTP-1D; SH-PTP2; SH-PTP3
NCBI Protein Information	tyrosine-protein phosphatase non-receptor type 11; PTP-2C; protein-tyrosine phosphatase 1D; protein-tyrosine phosphatase 2C
UniProt Protein Name	Tyrosine-protein phosphatase non-receptor type 11
UniProt Gene Name	PTPN11
UniProt Synonym Gene Names	PTP2C; SHPTP2; PTP-1D; PTP-2C; SHP-2; Shp2
UniProt Entry Name	PTN11_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/shp2-antibody-immunofluorescence-western-blot-elisa/39657>