

Rabbit SHP2 Polyclonal Antibody | anti-PTPN11 antibody

Anti-SHP2 antibody

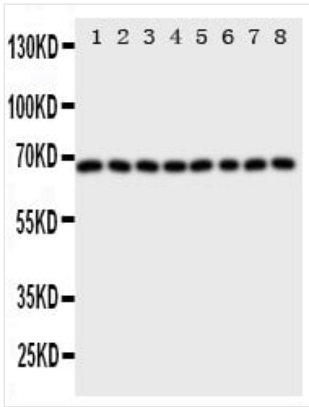
CATALOG # AAA45441	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

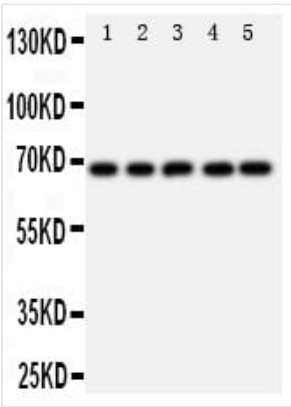
SHP2; Polyclonal Antibody; Anti-SHP2 antibody; Tyrosine-protein phosphatase non-receptor type 11; protein tyrosine phosphatase; non-receptor type 11; BPTP 3 antibody; BPTP3 antibody; CFC antibody; MGC14433 antibody; Noonan syndrome 1 antibody; Noonan syndrome 1 protein tyrosine phosphatase 2C antibody; NS 1 antibody; NS1 antibody; OTTHUMP00000166107 antibody; OTTHUMP00000166108 antibody; Protein tyrosine phosphatase 2 antibody; Protein tyrosine phosphatase 2C antibody; Protein Tyrosine Phosphatase Non receptor Type 11 antibody; Protein-tyrosine phosphatase 1D antibody; Protein-tyrosine phosphatase 2C antibody; PTPN11_HUMAN antibody; PTP 1D antibody; PTP 2C antibody; PTP-1D antibody; PTP-2C antibody; PTP1D antibody; PTP2C antibody; PTPN 11 antibody; PTPN11 antibody; SAP2 antibody; SH PTP2 antibody; SH PTP3 antibody; SH-PTP2 antibody; SH-PTP3 antibody; SH2 domain containing protein tyrosine phosphatase 2 antibody; SHIP2 antibody; SHP 2 antibody; SHP-2 antibody; Shp2 antibody; SHPTP 2 antibody; SHPTP2 antibody; SHPTP3 antibody; SIT protein precursor antibody; Syp antibody; Tyrosine protein phosphatase non receptor type 11 antibody; Tyrosine-protein phosphatase non-receptor type 11 antibody; anti-PTPN11 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	597
Applicable Applications for anti-PTPN11 antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human SHP2 (582-597aa RYENVGLMQQKSFR), different from the related rat and mouse sequences by one amino acid.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



WB (Western Blot)
Anti-SHP2 antibody, AAA45441, Western blotting
All lanes: Anti SHP2 (AAA45441) at 0.5ug/ml
Lane 1: Rat Brain Tissue Lysate at 50ug
Lane 2: Rat Kidney Tissue Lysate at 50ug
Lane 3: Rat Heart Tissue Lysate at 50ug
Lane 4: Rat Skeletal Muscle Tissue Lysate at 50ug
Lane 5: A431 Whole Cell Lysate at 40ug
Lane 6: JURKAT Whole Cell Lysate at 40ug
Lane 7: HELA Whole Cell Lysate at 40ug
Lane 8: U87 Whole Cell Lysate at 40ug
Predicted bind size: 68KD
Observed bind size: 68KD



WB (Western Blot)
Anti-SHP2 antibody, AAA45441, Western blotting
All lanes: Anti SHP2 (AAA45441) at 0.5ug/ml
Lane 1: Rat Heart Tissue Lysate at 50ug
Lane 2: Rat Skeletal Muscle Tissue Lysate at 50ug
Lane 3: Rat Brain Tissue Lysate at 50ug
Lane 4: HELA Whole Cell Lysate at 40ug
Lane 5: A549 Whole Cell Lysate at 40ug
Predicted bind size: 68KD
Observed bind size: 68KD

ADDITIONAL INFORMATION

Related Product Information for anti-PTPN11 antibody	Description: Rabbit IgG polyclonal antibody for Tyrosine-protein phosphatase non-receptor type 11(PTPN11) detection. Tested with WB in Human, Mouse, Rat. Background: PTPN11(Tyrosine-protein phosphatase non-receptor type 11), also known as protein-tyrosine phosphatase 1D(PTP-1D), protein-tyrosine phosphatase 2C(PTP-2C), TYROSINE PHOSPHATASE SHP2(SHP2), BPTP3, SH-PTP2, SHP-2, SH-PTP3, is an enzyme that in humans is encoded by the PTPN11 gene. PTPN11 is a member of the protein tyrosine phosphatase(PTP) family. The open reading frame consists of 1,779 nucleotides potentially encoding a protein of 593 amino acids with a predicted molecular mass of 68 kD. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP contains two tandem Src homology-2 domains, which function as phospho-tyrosine binding domains and mediate the interaction of this PTP with its substrates. This PTP 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. Mutations in this gene are a cause of Noonan syndrome as well as acute myeloid leukemia.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	84028248
NCBI GeneID	5781
UniProt Accession #	Q06124; Q96HD7; A8K1D9
Molecular Weight	52,828 Da
NCBI Official Full Name	Tyrosine-protein phosphatase non-receptor type 11
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

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/shp2-antibody-western-blot-elisa/45441>