

SHP2 Polyclonal Antibody | anti-SHP2 antibody

Anti-SHP2 Antibody

CATALOG # AAA46425	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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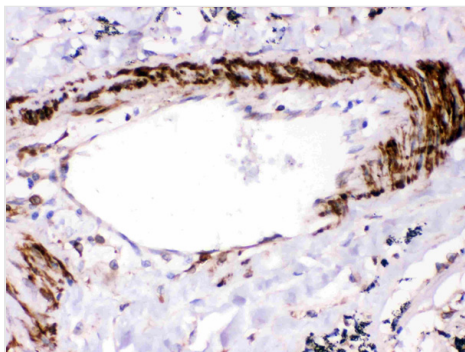
PRODUCT SYNONYMS

SHP2; Polyclonal Antibody; Anti-SHP2 Antibody; Tyrosine-protein phosphatase non-receptor type 11; BPTP 3; BPTP3; CFC; MGC14433; Noonan syndrome 1; Noonan syndrome 1 protein tyrosine phosphatase 2C; NS 1; NS1; OTTHUMP00000166107; OTTHUMP00000166108; Protein tyrosine phosphatase 2; Protein tyrosine phosphatase 2C; Protein Tyrosine Phosphatase Non receptor Type 11; Protein-tyrosine phosphatase 1D; Protein-tyrosine phosphatase 2C; PTN11_HUMAN; PTP 1D; PTP 2C; PTP-1D; PTP-2C; PTP1D; PTP2C; PTPN 11; PTPN11; SAP2; SH PTP2; SH PTP3; SH-PTP2; SH-PTP3; SH2 domain containing protein tyrosine phosphatase 2; SHIP2; SHP 2; SHP-2; Shp2; SHPTP 2; SHPTP2; SHPTP3; SIT protein precursor; Syp; Tyrosine protein phosphatase non receptor type 11; Tyrosine-protein phosphatase non-receptor type 11 antibody; protein tyrosine phosphatase; non-receptor type 11; anti-SHP2 antibody

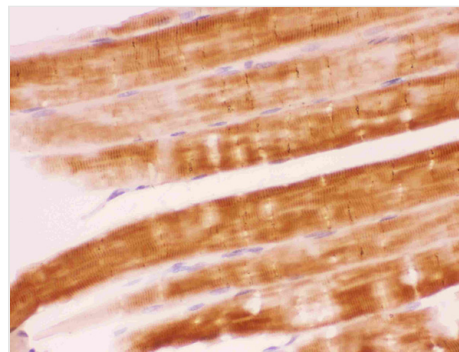
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	593
Applicable Applications for anti-SHP2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human SHP2 (69-99aa EK FATLAELVQYYMEHHGQLKEKNGDVIELK), identical to the related mouse and rat sequences.
Ig Type	Rabbit IgG
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 aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

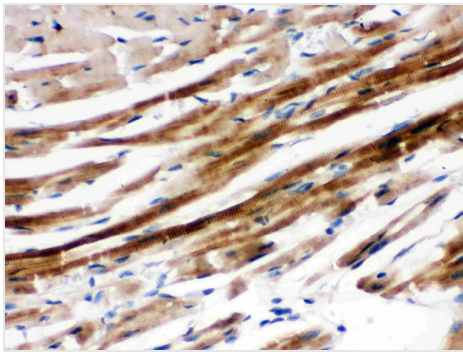
IMAGES



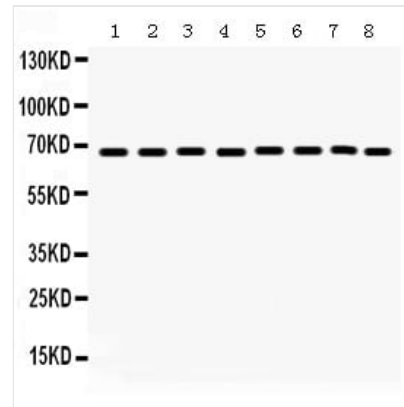
IHC (Immunohistochemistry)
Anti- SHP2 Picoband antibody, AAA46425,IHC(P)IHC(P): Human Lung Cancer Tissue



IHC (Immunohistochemistry)
Anti- SHP2 Picoband antibody, AAA46425,IHC(P)IHC(P): Rat Skeletal Muscle Tissue



IHC (Immunohistochemistry)
Anti- SHP2 Picoband antibody, AAA46425,IHC(P)IHC(P): Mouse Cardiac Muscle Tissue



WB (Western Blot)
Anti- SHP2 Picoband antibody, AAA46425, Western blottingAll lanes: Anti SHP2 (AAA46425) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: Mouse Brain Tissue Lysate at 50ugLane 3: Rat Cardiac Muscle Tissue Lysate at 50ugLane 4: Mouse Kidney Tissue Lysate at 50ugLane 5: HELA Whole Cell Lysate at 40ugLane 6: SW620 Whole Cell Lysate at 40ugLane 7: HEPG2 Whole Cell Lysate at 40ugLane 8: JURKAT Whole Cell Lysate at 40ugPredicted bind size: 68KDObserved bind size: 68KD

ADDITIONAL INFORMATION

Related Product Information for anti-SHP2 antibody	Description: Rabbit IgG polyclonal antibody for Tyrosine-protein phosphatase non-receptor type 11(PTPN11) detection. Tested with WB, IHC-P 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.
References	1. Higashi, H., Tsutsumi, R., Muto, S., Sugiyama, T., Azuma, T, Asaka, M., Hatakeyama, M. SHP-2 tyrosine phosphatase as an intracellular target of Helicobacter pylori CagA protein. Science 295: 683-686, 2002.

NCBI AND UNIPROT INFORMATION

NCBI GI #	33356177
NCBI GeneID	5781
NCBI Accession #	NP_002825.3
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; JMML; SHP2; BPTP3; PTP2C; METCDS; PTP-1D; SH-PTP2; SH-PTP3
NCBI Protein Information	tyrosine-protein phosphatase non-receptor type 11

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-immunohistochemistry-western-blot-elisa/46425>