

Rabbit SHP2 Polyclonal Antibody | anti-PTPN11 antibody

Anti-SHP2 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA44982	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

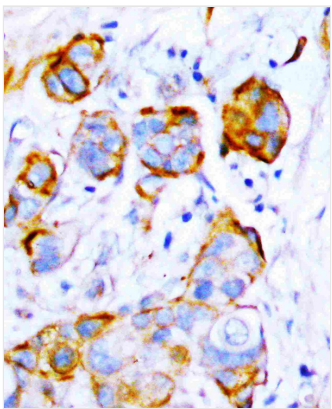
PRODUCT SYNONYMS

SHP2; Polyclonal Antibody; Anti-SHP2 antibody; Tyrosine-protein phosphatase non-receptor type 11; protein tyrosine phosphatase; non-receptor type 11; BPTP3 antibody; CFC antibody; MGC14433 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; PTN11_HUMAN antibody; PTP-1D antibody; PTP-2C antibody; PTP1D antibody; PTP2C antibody; PTPN11 antibody; SAP2 antibody; SH-PTP2 antibody; SH-PTP3 antibody; SH2 domain containing protein tyrosine phosphatase 2 antibody; SHP 2 antibody; SHP-2 antibody; Shp2 antibody; SHPTP2 antibody; SHPTP3 antibody; Syp 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	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human SHP2 (578-592aa EDSARVYENVGLMQQ), identical to the related rat and mouse sequences.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
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.

IMAGES



IHC (Immunohistochemistry)
Anti-SHP2 antibody, AAA44982, IHC(P)IHC(P): Human Thyroid Cancer Tissue



WB (Western Blot)
Anti-SHP2 antibody, AAA44982, Western blottingWB: JURKAT Cell Lysate

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, IHC-P in Human, Mouse, Rat. Background: The tyrosine phosphatase Shp2 is recruited into tyrosine-kinase signalling pathways through binding of its two amino-terminal SH2 domains to specific phosphotyrosine motifs, concurrent with its re-localization and stimulation of phosphatase activity. Shp2 can potentiate signalling through the MAP-kinase pathway and is required during early mouse development for gastrulation. Shp2 is specifically required in mesenchyme cells of the progress zone(PZ), directly beneath the distal ectoderm of the limb bud. Rather than integrating proliferative signals, Shp2 probably exerts its effects on limb development by influencing cell shape, movement or adhesion. Furthermore, the branchial arches, which also use Fgfs during bud outgrowth, similarly require Shp2. Thus, Shp2 regulates phosphotyrosine-signalling events during the complex ectodermal-mesenchymal interactions that regulate mammalian budding morphogenesis.
---	---

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
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.

