

Rabbit SHP2 Polyclonal Antibody | anti-PTPN11 antibody

SHP2 Antibody (Y546)

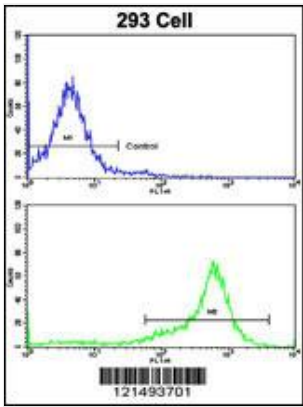
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287505	Rabbit	Human (Predicted Reactivity: Chicken, Mouse, Rat)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

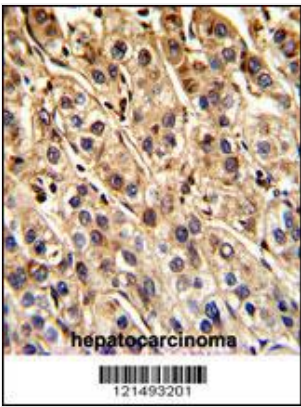
SHP2; Polyclonal Antibody; SHP2 Antibody (Y546); Tyrosine-protein phosphatase non-receptor type 11; Protein-tyrosine phosphatase 1D; PTP-1D; Protein-tyrosine phosphatase 2C; PTP-2C; SH-PTP2; SHP-2; Shp2; SH-PTP3; PTPN11; PTP2C; SHPTP2; anti-PTPN11 antibody

PRODUCT SPECIFICATIONS

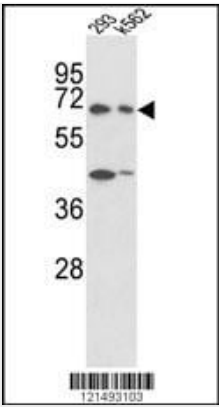
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Chicken, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SHP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 526-551 amino acids from human SHP2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	526-551
Sequence Length	460
Applicable Applications for anti-PTPN11 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of 293 cells using SHP2 Antibody (Y546)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with SHP2 Antibody (Y546), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of SHP2 Antibody (Y546) in 293, K562 cell line lysates (35ug/lane). SHP2 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-PTPN11 antibody	SHP2, also known as PTPN11, is a member of the protein tyrosine phosphatase (PTP) family. 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 the gene are a cause of Noonan syndrome as well as acute myeloid leukemia.
Product Categories/Family for anti-PTPN11 antibody	Neuroscience; Signal Transduction
References	Chan, R.J., et al., Blood 105(9):3737-3742 (2005). Sturla, L.M., et al., J. Biol. Chem. 280(15):14597-14604 (2005). Loh, M.L., et al., Leuk. Res. 29(4):459-462 (2005). Wang, Q., et al., J. Biol. Chem. 280(9):8397-8406 (2005). Niihori, T., et al., J. Hum. Genet. 50(4):192-202 (2005).

NCBI AND UNIPROT INFORMATION

NCBI GI #	33356177
NCBI GeneID	5781

NCBI Accession #	NP_002825.3; NP_542168.1
NCBI GenBank Nucleotide #	NM_002834.3
UniProt Accession #	Q06124; Q96HD7; A8K1D9
Molecular Weight	68436
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
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-flow-cytometry-immunohistochemistry-western-blot-elisa/287505>