

Rabbit anti-Human SHP2 Polyclonal Antibody | anti-PTPN11 antibody

Anti-SHP2 Antibody, Rabbit Polyclonal

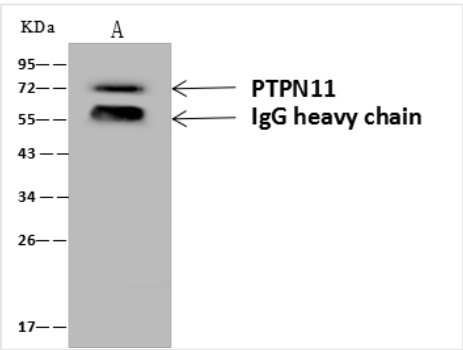
CATALOG # AAA257750	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
-------------------------------	-----------------------	----------------------------	--

PRODUCT SYNONYMS

SHP2; Polyclonal Antibody; Anti-SHP2 Antibody; Rabbit Polyclonal; SHP2/PTPN11 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-BPTP3 Antibody; Anti-CFC Antibody; Anti-NS1 Antibody; Anti-PTP-1D Antibody; Anti-PTP2C Antibody; Anti-SH-PTP2 Antibody; Anti-SH-PTP3 Antibody; protein tyrosine phosphatase; non-receptor type 11; anti-PTPN11 antibody

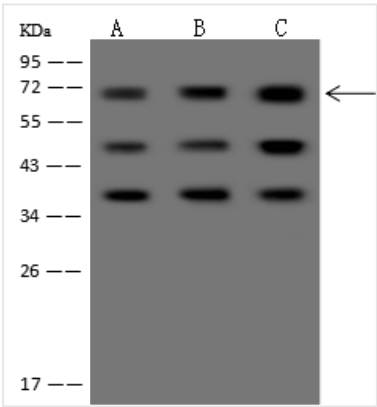
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human SHP2/PTPN11
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid. PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PTPN11 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E Coli-derived Human SHP2/PTPN11 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human SHP2/PTPN11 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.



IP (Immunoprecipitation)

PTPN11 was immunoprecipitated using: Lane A: 0.5 mg HEK-293 Whole Cell Lysate 4 uL anti-PTPN11 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-PTPN11 rabbit polyclonal antibody, at 1:100 dilution Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 68 kDa Observed band size :68 kDa



WB (Western Blot)

Anti-SHP2 rabbit polyclonal antibody at 1:500 dilution Lane A: HeLa Whole Cell Lysate Lane B: Jurkat Whole Cell Lysate Lane C: HEK-293 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 68 kDa Observed band size: 68 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PTPN11 antibody	Background: SHP2, also known as PTPN11, belongs to the protein-tyrosine phosphatase (PTP) family, non-receptor class 2 subfamily. PTPs catalyze the removal of phosphate groups from tyrosine residues by the hydrolysis of phosphoric acid monoesters. They dephosphorylate EGFR, JAK2 and TYK2 kinases, promoting oncogenic transformation. SHP2 is widely expressed, with highest levels in heart, brain, and skeletal muscle. SHP2 acts downstream of various receptor and cytoplasmic protein tyrosine kinases to participate in the signal transduction from the cell surface to the nucleus. It also dephosphorylates ROCK2 at Tyr-722 resulting in stimulation of its RhoA binding activity.
Product Categories/Family for anti-PTPN11 antibody	ITIM/ITAM Immunoreceptors and Related Molecules Phosphatases and Regulators; B Cell Receptor Signaling Pathway
References	Ganju R K, et al. (2000) Beta-chemokine receptor CCR5 signals through SHP1, SHP2, and Syk. J Biol Chem. 275(23):17263-8. Yin T, et al. (1997) Molecular characterization of specific interactions between SHP-2 phosphatase and JAK tyrosine kinases. J Biol Chem. 272(2):1032-7. Kontaridis MI, et al. (2006) PTPN11 (Shp2) mutations in LEOPARD syndrome have dominant negative, not activating, effects. J Biol Chem. 281(10):6785-92.

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://www.aaabiotech.com/polyclonal/shp2-antibody-immunoprecipitation-western-blot-elisa/257750>