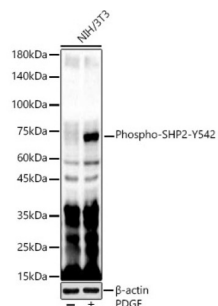
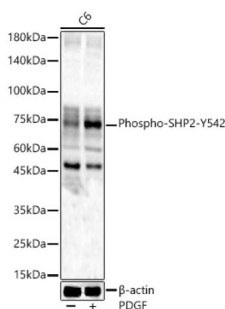


PTPN11 (pY542) Antibody

Catalogue No.: abx000318



Western blot analysis of lysates from NIH/3T3 cells, using Phospho-SHP2-Y542 Antibody at 1/700 dilution. NIH/3T3 cells were treated by PDGF (100 ng/ml) at 37 °C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 60s.



Western blot analysis of lysates from C6 cells, using Phospho-SHP2-Y542 Antibody at 1/700 dilution. C6 cells were treated by PDGF (100 ng/ml) at 37 °C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 90s.

PTPN11 (pY542) Antibody is a Rabbit Polyclonal antibody against PTPN11 (pY542). The protein encoded by this gene is a member of the protein tyrosine phosphatase (pYP) 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 pTosine 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. Two transcript variants encoding different isoforms have been found for this gene.

Target: PTPN11 (pY542)

Clonality: Polyclonal

Reactivity: Human, Mouse, Rat

Tested Applications: ELISA, WB

Host: Rabbit

Recommended dilutions: ELISA: 1 µg/ml, WB: 1/500 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: A synthetic phosphorylated peptide around Y542 of human PTPN11.

Datasheet

Version: 5.0.0
Revision date: 13 Aug 2025



Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q06124 (UniProt , ExPASy)
Gene Symbol:	PTPN11
GeneID:	5781
NCBI Accession:	NP_002825.3
KEGG:	hsa:5781
String:	9606.ENSP00000340944
Molecular Weight:	Calculated MW: 68 kDa Observed MW: 72 kDa
Buffer:	PBS, pH 7.3, containing 0.05% Proclin-300, 50% glycerol.
Concentration:	> 0.2 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.