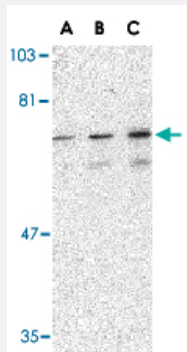


PTPN11 polyclonal antibody

Catalog # PAB13222 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of PTPN11 in mouse skeletal muscle tissue lysate with PTPN11 polyclonal antibody (Cat # PAB13222) at (A) 0.5, (B) 1 and (C) 2 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PTPN11.
Immunogen	A synthetic peptide corresponding to C-terminus 14 amino acids of human PTPN11.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of PTPN11 in mouse skeletal muscle tissue lysate with PTPN11 polyclonal antibody (Cat # PAB13222) at (A) 0.5, (B) 1 and (C) 2 ug/mL .

Gene Info — PTPN11

Entrez GeneID	5781
Protein Accession#	NP_002825
Gene Name	PTPN11
Gene Alias	BPTP3, CFC, MGC14433, NS1, PTP-1D, PTP2C, SH-PTP2, SH-PTP3, SHP2
Gene Description	protein tyrosine phosphatase, non-receptor type 11
Omim ID	151100 163950 176876 607785
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene 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 this gene are a cause of Noonan syndrome as well as acute myeloid leukemia. [provided by RefSeq]
Other Designations	protein tyrosine phosphatase-2 protein-tyrosine phosphatase 2C

Publication Reference

- [Concerted functions of Gab1 and Shp2 in liver regeneration and hepatoprotection.](#)

Bard-Chapeau EA, Yuan J, Droin N, Long S, Zhang EE, Nguyen TV, Feng GS.

Molecular and Cellular Biology 2006 Jun; 26(12):4664.

Application: WB-Ti, Mouse, Mouse liver

- [Protein-tyrosine phosphatases and cancer.](#)

Ostman A, Hellberg C, Bohmer FD.

Nature Reviews. Cancer 2006 Apr; 6(4):307.

Application: WB, Human, Mammalian cells

- [Protein-tyrosine phosphatase SHP2 is positively linked to proteinase-activated receptor 2-mediated mitogenic pathway.](#)

Yu Z, Ahmad S, Schwartz JL, Banville D, Shen SH.

The Journal of Biological Chemistry 1997 Mar; 272(1):7519.

Application: IP, Human, 293 cells

Pathway

- [Adipocytokine signaling pathway](#)
- [Chronic myeloid leukemia](#)
- [Epithelial cell signaling in Helicobacter pylori infection](#)
- [Jak-STAT signaling pathway](#)
- [Leukocyte transendothelial migration](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Neurotrophin signaling pathway](#)
- [Renal cell carcinoma](#)

Disease

- [Abnormalities](#)
- [Addison Disease](#)
- [Adenocarcinoma](#)
- [Arrhythmias](#)
- [Articulation Disorders](#)
- [Atrophy](#)

- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Colitis](#)
- [Craniofacial Abnormalities](#)
- [Crohn Disease](#)
- [Developmental Disabilities](#)
- [Disease Progression](#)
- [Down Syndrome](#)
- [Ductus Arteriosus](#)
- [Dyslexia](#)
- [Ectodermal Dysplasia](#)
- [Esophageal Neoplasms](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Growth Disorders](#)
- [Hearing](#)
- [Hearing Loss](#)
- [Heart Defects](#)
- [Heart Septal Defects](#)
- [Helicobacter Infections](#)
- [Hematologic Diseases](#)

- [Hypertrophy](#)
- [Infant](#)
- [Language Disorders](#)
- [LEOPARD Syndrome](#)
- [Leukemia](#)
- [Lymphedema](#)
- [Memory](#)
- [Metaplasia](#)
- [Mitochondrial Diseases](#)
- [Motor Skills](#)
- [Motor Skills Disorders](#)
- [Myeloproliferative Disorders](#)
- [Neurofibromatosis](#)
- [Neurofibromatosis 1](#)
- [Neuropsychological Tests](#)
- [Noonan Syndrome](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Peptic Ulcer](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Pulmonary Valve Stenosis](#)
- [Skin Abnormalities](#)

- [Stomach Neoplasms](#)
- [Syndrome](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)