

PTPN11 monoclonal antibody, clone SIT-01

Catalog # MAB5240

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant PTPN11.
Immunogen	Recombinant protein corresponding to intracellular region of human PTPN11.
Host	Mouse
Reactivity	Human, Mouse
Specificity	human SHP2-interacting transmembrane adapter protein (SIT). Weaker reactivity was observed with mouse homolog.
Form	Liquid
Isotype	IgG1
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.09% sodium azide)
Storage Instruction	Store at 4°C. 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
- Immunoprecipitation

Gene Info — PTPN11

Entrez GeneID	5781
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

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](#)
- [Neurofibromatoses](#)
- [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](#)