Product Datasheet

PTPN11 antibody

Catalog No: #38468

Package Size: #38468-1 50ul #38468-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

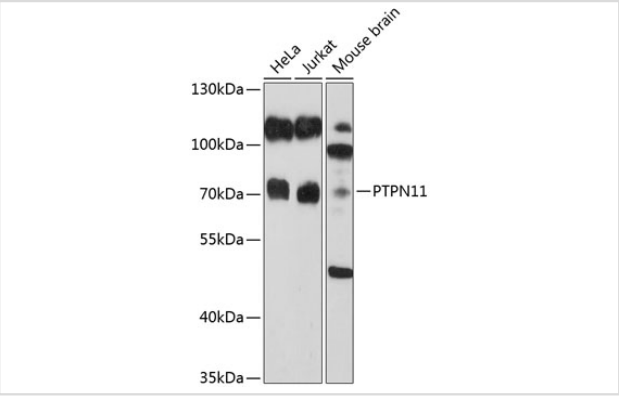
Description

Product Name	PTPN11 antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total PTPN11 protein.
Immunogen Type	Protein
Immunogen Description	Fusion protein of human PTPN11.
Target Name	PTPN11
Other Names	CFC;NS1;SHP2;BPTP3;PTP2C;PTP-1D;SH-PTP2;SH-PTP;
Accession No.	Swiss-Prot#: Q06124NCBI Gene ID: 5781
Uniprot	Q06124
GeneID	5781;
SDS-PAGE MW	68kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

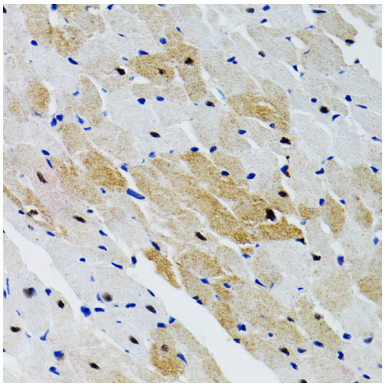
Application Details

WB□1:500 - 1:1000IHC□1:50 - 1:100IF□1:50 - 1:100

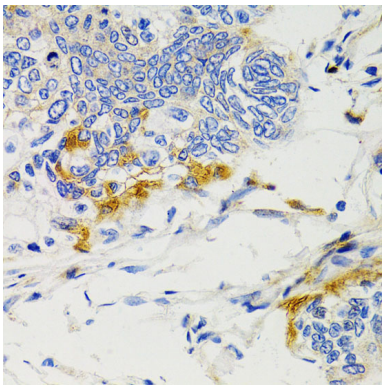
Images



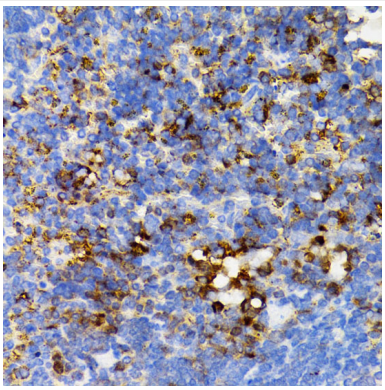
Western blot analysis of extracts of various cell lines, using PTPN11 at 1:1000 dilution.



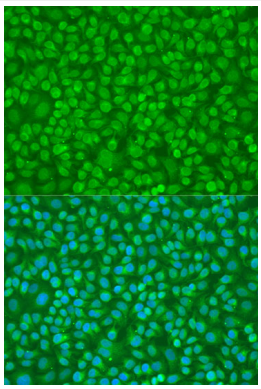
Immunohistochemistry of paraffin-embedded rat heart using PTPN11 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human gastric cancer using PTPN11 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse spleen using PTPN11 at dilution of 1:100 (40x lens).



Immunofluorescence analysis of U2OS cells using PTPN11 at dilution of 1:100. Blue: DAPI for nuclear staining.

Background

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. Two transcript variants encoding different isoforms have been found for this gene.

Note: This product is for in vitro research use only