SignalChem
Specialists in Signaling Proteins
1-866-9 KINASE (54-6273)

Catalogue #	Aliquot Size
P38-63CR-100	100 µg

Anti-PTPN11 (SHP2)

Rabbit Polyclonal Antibody

Catalog # P38-63CR

Lot # O2109-58

Cited Applications

WB, ELISA, IF

Ideal working dilutions for each application should be empirically determined by the investigator.

Specificity

Recognizes the PTPN11 protein

Cross Reactivity

Human, Mouse and Rat

Host/Isotype/Clone#

Rabbit, IgG

Immunogen

PTPN11 antibody was raised against a 14 amino acid synthetic peptide from near the carboxy terminus of human PTPN11.

Formulation

PBS + 0.02% sodium azide

Stability

1yr at –20°C from date of shipment

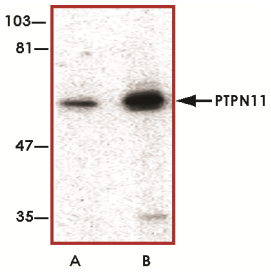
Scientific Background

Mammalian PTPases can be subdivided into 1 of 2 broad categories: transmembrane receptor PTPases and intracellular PTPases. PTPN11 is one of the 2 closely related mammalian intracellular PTPases whose sequences encode 2 tandem SRC homology 2 (SH2) domains that are located at the amino-terminal side of a single PTPase catalytic domain (1). 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 (2)

References

1. Dechert, U. et al: Protein-tyrosine phosphatase SH-PTP2 (PTPN11) is localized to 12q24.1-24.3. Hum. Genet. 96: 609-615, 1995.
2. Ahmad, S. et al: A widely expressed human protein-tyrosine phosphatase containing src homology 2 domains. Proc. Nat. Acad. Sci. 90: 2197-2201, 1993.

Sample Data



Western blot analysis of PTPN11 in mouse skeletal muscle tissue lysate with PTPN11 antibody at (A) 0.5 and (B) 1 ug/ml.

Anti-PTPN11 (SHP2)

Rabbit Polyclonal Antibody

Catalog Number	P38-63CR
Specific Lot Number	O2109-58
Purification	Affinity chromatography
Stability	1yr at –20°C from date of shipment
Storage & Shipping	Store product at –20°C. For optimal storage, aliquot antibody into smaller quantities after centrifugation and store at recommended temperature. For optimal performance, avoid repeated handling and multiple freeze/thaw cycles. Product shipped on ice packs.

To place your order, please contact us by phone 1-(604)-232-4600, fax 1-604-232-4601 or by email: orders@signalchem.com
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