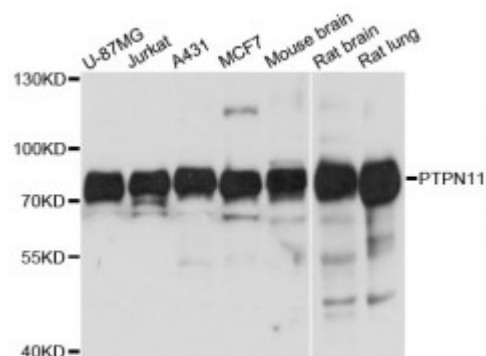


Anti-PTPN11 Antibody



Description

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.

Model	STJ114360
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-460 of human PTPN11 (NP_002825.3).
Gene ID	5781
Gene Symbol	PTPN11
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Widely expressed, with highest levels in heart, brain, and skeletal muscle

Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Tyrosine-protein phosphatase non-receptor type 11
Molecular Weight	68.436 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:9644OMIM:151100Reactome:R-HSA-1059683
Alternative Names	Tyrosine-protein phosphatase non-receptor type 11
Function	Acts downstream of various receptor and cytoplasmic protein tyrosine kinases to participate in the signal transduction from the cell surface to the nucleus, Positively regulates MAPK signal transduction pathway ,
Cellular Localization	Cytoplasm
Post-translational Modifications	Phosphorylated on Tyr-546 and Tyr-584 upon receptor protein tyrosine kinase activation

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