DNAxPAb | Hard-to-Find Antibody

PTPN7 DNAxPab

Catalog # H00005778-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human PTPN7 DNA using DNAx™ Immune te chnology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MVQAHGGRSRAQPLTLSLGAAMTQPPPEKTPAKKHVRLQERRGSNVALMLDVRSLGAVEPICS VNTPREVTLHFLRTAGHPLTRWALQRQPPSPKQLEEEFLKIPSNFVSPEDLDIPGHASKDRYKTIL PNPQSRVCLGRAQSQEDGDYINANYIRGYDGKEKVYIATQGPMPNTVSDFWEMVWQEEVSLIVM LTQLREGKEKCVHYWPTEEETYGPFQIRIQDMKECPEYTVRQLTIQYQEERRSVKHILFSAWPDHQ TPESAGPLLRLVAEVEESPETAAHPGPIVVHCSAGIGRTGCFIATRIGCQQLKARGEVDILGIVCQL RLDRGGMIQTAEQYQFLHHTLALYAGQLPEEPSP
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — PTPN7

Entrez GeneID	5778
GeneBank Accession#	NM_002832.2
Protein Accession#	NP_002823.2
Gene Name	PTPN7
Gene Alias	BPTP-4, HEPTP, LC-PTP, LPTP, PTPNI
Gene Description	protein tyrosine phosphatase, non-receptor type 7
Omim ID	176889
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 c ell growth, differentiation, mitotic cycle, and oncogenic transformation. This gene is preferentially e xpressed in a variety of hematopoietic cells, and is an early response gene in lymphokine stimulat ed cells. The noncatalytic N-terminus of this PTP can interact with MAP kinases and suppress the MAP kinase activities. This PTP was shown to be involved in the regulation of T cell antigen recep tor (TCR) signaling, which was thought to function through dephosphorylating the molecules relate d to MAP kinase pathway. Two alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000034115|dual specificity phosphatase 1|hematopoietic protein-tyrosine phosphat ase|protein-tyrosine phoshatase, nonreceptor-type, stress induced

Pathway

- MAPK signaling pathway