

DNAxPAb

Hard-to-Find
Antibody

PTPN6 DNAxPab

Catalog # H00005777-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human PTPN6 DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence MLSRGWFHRLDLSGLDAETLLKGRGVHGSFLARPSRKNQGDFSLSVRVGDQVTHIRIQNSGDFYD
LYGGEKFATLTVEYYTQQQGV LQDRDGTIIHLKYPLNCSDPTSERWYHGHMSGGQAETLLQAK
GEPWTFVLVRESLSQPGDFVLSVLSQPKAGPGSPLRVTHIKVMCEGGRYTVGGLETDFDSLTDLV
EHFKKTGIEEASGAFVYLRQPYATRVNAADIENRVLELNKKQSEDTAKAGFWEEFESLQKQEV
KNLHQRLEGQRPENKGKNRYKNILPFDHSRVILQGRDSNIPGSDYINANYIKNQLLGPDENAKTYAS
QGCLEATVNDFWQMAWQENS RVIMTTREVEKGRNKCVPYWPEVGMQRAYGPYSVTNCGEHD
TTEYKLRTLQVSPLDNGDLIREWHYQYLSWPDHGV PSEPGGVL SFLDQINQRQESLPHAGPIVHC
SAGIGRTGTIIVIDMLMENISTKGLDCDIDIQKTIQMVRAQRSGMVQTEAQYKFYVAIAQFIETTKKKLE
VLQSQKGQSESEYGNITYPPAMKNAHAKASRTSSKHKEDVYENLHTKNKREEKVKKQRSADKEKS
KGSLKRK

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 — PTPN6

Entrez GeneID [5777](#)

GeneBank Accession# [BC007667](#)

Protein Accession# [AAH07667](#)

Gene Name PTPN6

Gene Alias HCP, HCPH, HPTP1C, PTP-1C, SH-PTP1, SHP-1, SHP-1L, SHP1

Gene Description protein tyrosine phosphatase, non-receptor type 6

Omim ID [176883](#)

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. N-terminal part of this PTP contains two tandem Src homolog (SH2) domains, which act as protein phospho-tyrosine binding domains, and mediate the interaction of this PTP with its substrates. This PTP is expressed primarily in hematopoietic cells, and functions as an important regulator of multiple signaling pathways in hematopoietic cells. This PTP has been shown to interact with, and dephosphorylate a wide spectrum of phospho-proteins involved in hematopoietic cell signaling. Multiple alternatively spliced variants of this gene, which encode distinct isoforms, have been reported. [provided by RefSeq]

Other Designations

hematopoietic cell phosphatase|hematopoietic cell protein-tyrosine phosphatase|protein-tyrosine phosphatase 1C

Pathway

- [Adherens junction](#)
- [B cell receptor signaling pathway](#)

- [Jak-STAT signaling pathway](#)
- [Natural killer cell mediated cytotoxicity](#)
- [T cell receptor signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Cerebral Amyloid Angiopathy](#)
- [Genetic Predisposition to Disease](#)
- [Lupus Erythematosus](#)
- [Neuroblastoma](#)