

DNAxPAb

Hard-to-Find
Antibody

PTPN18 DNAxPab

Catalog # H00026469-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human PTPN18 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MSRSLDSARSFLERLEARGGREGAVLAGEFSKRCERYWAQEQEPLQTGLFCITLIKEKWLNEDIM LRTLKVTFQKESRSVYQLQYMSWPDRGVPSSPDHMLAMVEEARRLQGSGPEPLCVHCSAGCG RTGVLCTVDYVRQLLLTQMIPPDFSLFDVVLKMRKQRPAAVQTEEQYRFLYHTVAQMFCSLQNA SPHYQNIKENCAPLYDDALFLRTPQALLAIPRPPGGVLRISIVPGSPGHAMADTYAVVQKRGAPA GAGSGTQTGTGTGARSAAEEAPLYSKVTPRAQRPGAHAEDARGTLPGRVPADQSPAGSGAYEDV AGGAQTGGLGFNLGRPKGPRDPPAEWTRV
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 — PTPN18

Entrez GeneID [26469](#)

GeneBank Accession# [BC052800.1](#)

Protein Accession# [AAH52800.1](#)

Gene Name PTPN18

Gene Alias BDP1, PTP-HSCF

Gene Description protein tyrosine phosphatase, non-receptor type 18 (brain-derived)

Omim ID [606587](#)

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, the mitotic cycle, and oncogenic transformation. This PTP contains a PEST motif, which often serves as a protein-protein interaction domain, and may be related to protein intracellular half-life. This protein can differentially dephosphorylate autophosphorylated tyrosine kinases that are overexpressed in tumor tissues, and it appears to regulate HER2, a member of the epidermal growth factor receptor family of receptor tyrosine kinases. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations brain-derived phosphatase|protein tyrosine phosphatase, non-receptor type 18