

DNAxPAb

Hard-to-Find
Antibody

PTPN12 DNAxPab

Catalog # H00005782-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human PTPN12 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MEQVEILRKFIQRVQAMKSPDHNGEDNFARDFMRLRRLSTKYRTEKIYPTATGEKEENVKKNRYK DILPFDHSRVKLTLKTPSQSDYINANFIKGVYGPKEYVATQGPLANTVIDFWRMIWEYNVVIIMAC REFEMGRKKCERYWPLYGEDPITFAPFKISCEDEQARTDYFIRTLLEFQNESRRLYQFHYVNWPD HDVPSSFDSILDMSLMRKYQEHEDVPICIHCSAGCGRTGAICAIDYTNLLKAGKIPEEFNVFNLIQ EMRTQRHSAVQTKEQYELVHRAIAQLFEKQLQLYEIHGAQKIADGVNEINTENMISSIEPEKQDSPP PKPPRTRSCLVEGDAKEEILQPPEHPVPPILTPSPPSAFPTVTTVWQDNDRYHPKPVLMVSSE QHSADLNRNYSKSTELPGKNESTIEQIDKKLERNLSFEIKKVPLQEGPKSFDGNTLLNRGHAIIKS ASPCIA DKISK PQELSSDLNVGDT SQNSCVDCSVTQSNKVS VTPPEESQNSDTPPRPDRLPLDE KGHVTWSFHGPENAIPI DLSEGNSSDINYQTRKTVSLTPSPTTQVETPD LVDHDNTSPLFRTPLS FTNPLHSDDSDSDERNSDGAVTQNKTNISTASATVSAATSTESISTRKVLPM SIARHNIAGTTHSGA EKDVDVSEDSPPPLPERTPESFVLASEHNT PVRSEWSELQSQERSEQKKSEGLITSENEKCDH PAGGIHYEMCIECPPTFSDKREQISENPTEATDIGFGNRCGKPKGPRDPPSEWT
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 — PTPN12

Entrez GeneID [5782](#)

GeneBank Accession# [NM_002835.2](#)

Protein Accession# [NP_002826.2](#)

Gene Name PTPN12

Gene Alias PTP-PEST, PTPG1

Gene Description protein tyrosine phosphatase, non-receptor type 12

Omim ID [600079](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP contains a C-terminal PEST motif, which serves as a protein-protein interaction domain, and may regulate protein intracellular half-life. This PTP was found to bind and dephosphorylate the product of the oncogene c-ABL and thus may play a role in oncogenesis. This PTP was also shown to interact with, and dephosphorylate, various products related to cytoskeletal structure and cell adhesion, such as p130 (Cas), CAK beta/PTK2B, PSTPIP1, and paxillin. This suggests it has a regulatory role in controlling cell shape and mobility. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq]

Other Designations OTTHUMP00000025119|protein-tyrosine phosphatase G1|tyrosine-protein phosphatase non-receptor type 12

Disease

- [Genetic Predisposition to Disease](#)

- [Graves Disease](#)

- [Graves Ophthalmopathy](#)
- [Kidney Failure](#)