

DNAxPAb

Hard-to-Find
Antibody

BPNT1 DNAxPab

Catalog # H00010380-W01P Size 200 ug

Specification

| | |
|--------------------------------|--|
| Product Description | Rabbit polyclonal antibody raised against a full-length human BPNT1 DNA using DNAx™ Immune technology. |
| Technology | DNAx™ Immune |
| Immunogen | Full-length human DNA |
| Sequence | <p>MASSNTVLMRLVASAYSIAQKAGMIVRRVIAEGDLGIVEKTCATDLQTKADRLAQMSICSSLARKF</p> <p>PKLTIIGEEDLPSEEVDQELIEDSQWEEILKQPCPSQYSAIKEEDLVVWVDPLDGTKEYTEGLLDN</p> <p>VTVLIGIAYEGKAIAGVINQPYNYEAGPDAVLGRTWGVGLGAFGFQLKEVPAGKHIITTRSHSNK</p> <p>LVTDCVAAMNPDAVLRVGGAGNKIQLIEGKASAYVFASPGCKKWDTCAPENVILHAVGAS</p> |
| 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 — BPNT1

Entrez GeneID [10380](#)

GeneBank Accession# [NM_006085.3](#)

Protein Accession# [NP_006076.3](#)

Gene Name BPNT1

Gene Alias PIP

Gene Description 3'(2'), 5'-bisphosphate nucleotidase 1

Omim ID [604053](#)

Gene Ontology [Hyperlink](#)

Gene Summary BPNT1, also called bisphosphate 3-prime-nucleotidase, or BPntase, is a member of a magnesium-dependent phosphomonoesterase family. Lithium, a major drug used to treat manic depression, acts as an uncompetitive inhibitor of BPntase. The predicted human protein is 92% identical to mouse BPntase. BPntase's physiologic role in nucleotide metabolism may be regulated by inositol signaling pathways. The inhibition of human BPntase may account for lithium-induced nephrotoxicity. [provided by RefSeq]

Other Designations BPntase|OTTHUMP00000035564|PAP-inositol-1,4-phosphatase|bisphosphate 3'-nucleotidase

Pathway

- [Sulfur metabolism](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)