

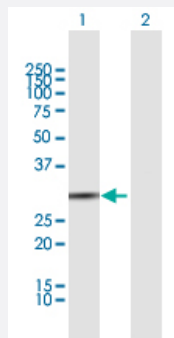
MaxPab®

## BPNT1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00010380-B01P

Size 50 ug

### Applications



#### Western Blot (Transfected lysate)

Western Blot analysis of BPNT1 expression in transfected 293T cell line ([H00010380-T01](#)) by BPNT1 MaxPab polyclonal antibody.

Lane 1: BPNT1 transfected lysate(28.71 KDa).

Lane 2: Non-transfected lysate.

### Specification

|                               |  |
|-------------------------------|--|
| Product Description           | Mouse polyclonal antibody raised against a full-length human BPNT1 protein.  |
| Immunogen                     | BPNT1 (NP_006076.3, 1 a.a. ~ 261 a.a) full-length human protein.   |
| Sequence                      | <p>MASSNTVLMRLVASAYSIAQKAGMIVRRVIAEGDLGVEKTCATDLQTKADRLAQMSICSSLARKF</p> <p>PKLTIIGEEDLPSEEVDQELIEDSQWEEILKQPCPSQYSAIKEEDLVVWVDPLDGTKEYTEGLLDN</p> <p>VTVLIGIAYEGKAIAGVINQPYNYEAGPDAVLGRTWGVGLGAFGFQLKEVPAGKHIITTRSHSNK</p> <p>LVTDCVAAMNPDAVLRVGGAGNKIQLIEGKASAYVFASPGCKKWDTCAPEVILHAVGAS</p> |
| Host                          | Mouse  |
| Reactivity                    | Human  |
| Interspecies Antigen Sequence | Mouse (93)   |
| 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.   |

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[Protocol Download](#)

## 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](#)