

# **Product datasheet for TA303272**

**BPNT1 Goat Polyclonal Antibody** 

### **Product data:**

**Product Type:** Primary Antibodies

Applications: WB

**Recommended Dilution:** ELISA: 1:4,000. WB: 1-3µg/ml.

**Reactivity:** Human (Expected from sequence similarity: Mouse, Rat)

Host: Goat Isotype: IgG

Clonality: Polyclonal

**Immunogen:** Peptide with sequence C-RNYDYYASRVPESIK, from the C Terminus of the protein sequence

according to NP\_006076.4.

**Formulation:** Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum

albumin.

**Concentration:** lot specific

**Purification:** Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity

chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize

freezing and thawing.

Conjugation: Unconjugated

**Storage:** Store at -20°C as received.

**Stability:** Stable for 12 months from date of receipt.

**Gene Name:** 3'(2'), 5'-bisphosphate nucleotidase 1

Database Link: NP 006076

Entrez Gene 23827 MouseEntrez Gene 64473 RatEntrez Gene 10380 Human

<u>095861</u>



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# **BPNT1 Goat Polyclonal Antibody - TA303272**

**Background:** BPNT1, also called bisphosphate 3-prime-nucleotidase, or BPntase, is a member of a

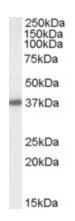
magnesium-dependent phosphomonoesterase family. Lithium, a major drug used to treat manic depression, acts as an uncompetitive inhibitor of BPntase. The predicted human protein is 92% identical to mouse BPntase. BPntase's physiologic role in nucleotide metabolism may be regulated by inositol signaling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

COMPLETENESS: full length.

Synonyms: HEL20; PIP

**Protein Pathways:** Sulfur metabolism

# **Product images:**



TA303272 (1ug/ml) staining of Human Liver lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.