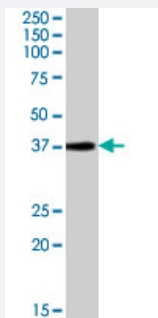


BPNT1 polyclonal antibody

Catalog # PAB7352

Size 100 ug

Applications



Western Blot (Tissue lysate)

BPNT1 polyclonal antibody (Cat # PAB7352) (1 ug/mL) staining of human liver lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description Goat polyclonal antibody raised against synthetic peptide of BPNT1.

Immunogen A synthetic peptide corresponding to human BPNT1.

Sequence C-RNYDYYASRVESIK

Host Goat

Theoretical MW (kDa) 33.4

Reactivity Human

Form Liquid

Purification Antigen affinity purification

Concentration 0.5 mg/mL

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage
 ELISA (1:4000)
 Western Blot (1-3 ug/mL)
 The optimal working dilution should be determined by the end user.

Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — BPNT1

Entrez GeneID	10380
Protein Accession#	NP_006076.4
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

Publication Reference

- [Prion recognition elements govern nucleation, strain specificity and species barriers.](#)

Tessier PM, Lindquist S.

Nature 2007 May; 447(7144):556.

Pathway

- [Sulfur metabolism](#)

Disease

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