

BPNT1 rabbit monoclonal antibody

Catalog # H00010380-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human BPNT1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human BPNT1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human BPNT1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — BPNT1

Entrez GeneID	10380
GeneBank Accession#	BPNT1
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](#)