# antibodies

Datasheet for ABIN2856006 anti-BPNT1 antibody

4 Images



### Overview

Quantity:	100 μL
Target:	BPNT1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BPNT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	Recombinant protein encompassing a sequence within the center region of human BPNT1. The
	exact sequence is proprietary.
Isotype:	lgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Rabbit Polyclonal antibody to BPNT1 (3'(2'), 5'-bisphosphate nucleotidase 1)
	BPNT1 antibody [N1C3]
Purification:	Purified by antigen-affinity chromatography.
Target Details	
Target:	BPNT1
Alternative Name:	3'(2'), 5'-bisphosphate nucleotidase 1 (BPNT1 Products)

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# Target Details

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

Molecular Weight:	33 kDa
Gene ID:	10380
UniProt:	095861
Pathways:	Inositol Metabolic Process

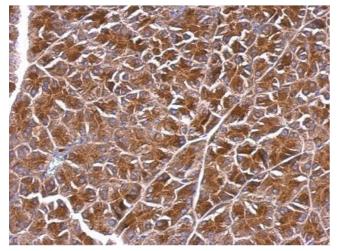
# Application Details

Application Notes:	WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: Mouse liver , HeLaS3
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	0.7 mg/mL
Buffer:	0.1M Tris-Glycine ( pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

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### Immunohistochemistry

**Image 1.** IHC-P Image BPNT1 antibody [N1C3] detects BPNT1 protein at cytosol on mouse pancreas by immunohistochemical analysis. Sample: Paraffin-embedded mouse pancreas. BPNT1 antibody [N1C3], dilution: 1:500.

### Western Blotting

**Image 2.** WB Image Sample (50 ug of whole cell lysate) A: Mouse liver 12% SDS PAGE antibody diluted at 1:1000

Western Blotting

**Image 3.** WB Image Sample (30µg whole cell lysate) A:HeLa S3, 10% SDS PAGE antibody diluted at 1:500

Please check the product details page for more images. Overall 4 images are available for ABIN2856006.

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