

Product datasheet for **AP50387PU-N**

BPNT1 (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1/1000. Western blotting: 1/100 - 1/500.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 276-305 amino acids from the C-terminal region of human BPNT1
Specificity:	This antibody reacts to BPNT1.
Formulation:	PBS containing 0.09% (W/V) sodium azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	3'(2'), 5'-bisphosphate nucleotidase 1
Database Link:	Entrez Gene 10380 Human O95861



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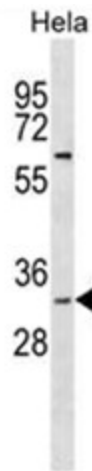
Background: BPNT1, also called bisphosphate 3-prime-nucleotidase, or BPntase, is a member of a magnesium-dependent phosphomonoesterase family. Lithium, a major drug used to treat manic depression, acts as an uncompetitive inhibitor of BPntase. The predicted human protein is 92% identical to mouse BPntase. 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.

Synonyms: BPntase; PAP-inositol-1,4-phosphatase; PIP

Note: **Molecular Weight:** 33392 Da

Protein Pathways: Sulfur metabolism

Product images:



BPNT1 Antibody (C-term) western blot analysis in HeLa cell line lysates (35ug/lane). This demonstrates the BPNT1 antibody detected the BPNT1 protein (arrow).