

## ARG64288 anti-Bisphosphate 3' nucleotidase antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes Bisphosphate 3' nucleotidase
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat
Tested Application	WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Bisphosphate 3' nucleotidase
Species	Human
Immunogen	C-RNYDYYASRVPEIK
Conjugation	Un-conjugated
Alternate Names	HEL20; EC 3.1.3.7; PAP-inositol 1,4-phosphatase; 2'; PIP; 3'; Bisphosphate 3'-nucleotidase 1

### Application Instructions

Application table	Application	Dilution
	WB	1 - 3 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

---

### Database links

[GeneID: 10380 Human](#)

[Swiss-port # O95861 Human](#)

### 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, Jul 2008]

### Research Area

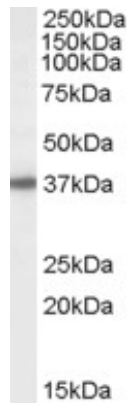
Neuroscience antibody

### Calculated Mw

33 kDa

## Images

---



ARG64288 anti-Bisphosphate 3' nucleotidase antibody WB image

Western blot: Human Liver lysate (35 µg protein in RIPA buffer) stained with ARG64288 anti-Bisphosphate 3' nucleotidase antibody at 1 µg/ml dilution.