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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP58597_P050-Biotin
Product Page	www.avivasysbio.com/bpnt1-antibody-n-terminal-region-biotin-arp58597-p050-biotin.html
Name	BPNT1 Antibody - N-terminal region : Biotin (ARP58597_P050-Biotin)
Protein Size (# AA)	261 amino acids
Molecular Weight	29kDa
Conjugation	Biotin
NCBI Gene Id	10380
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	3'(2'), 5'-bisphosphate nucleotidase 1
Alias Symbols	PIP, HEL20
Peptide Sequence	Synthetic peptide located within the following region: DRVTIQELTAPLLTTAQAKPGETQEEETNSGEEPFIFIETPRQDGVSRFRIP
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Spiegelberg,B.D., (1999) J. Biol. Chem. 274 (19), 13619-13628
Description of Target	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. 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.
Protein Interactions	SUMO2; UBC; IQCB1;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-BPNT1 (ARP58597_P050-Biotin) antibody
Blocking Peptide	For anti-BPNT1 (ARP58597_P050-Biotin) antibody is Catalog # AAP58597 (Previous Catalog # AAPP35814)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human BPNT1
Uniprot ID	O95861
Protein Name	3'(2'),5'-bisphosphate nucleotidase 1
Protein Accession #	NP_006076
Purification	Affinity Purified
Nucleotide Accession #	NM_006085
Gene Symbol	BPNT1
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit
Application	WB

Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 93%; Guinea Pig: 86%; Horse: 86%; Human: 100%; Mouse: 86%; Pig: 93%; Rabbit: 100%; Rat: 91%
Image 1	 A schematic diagram of an antibody molecule, represented as a Y-shape. It consists of two heavy chains (the inner vertical lines) and two light chains (the outer diagonal lines), all connected at their base.

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.

Optimal conditions of its use should be determined by end users.

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