Mouse anti-Human BPNT1 Monoclonal Antibody | anti-BPNT1 antibody

BPNT1 (3'(2'),5'-bisphosphate nucleotidase 1, Bisphosphate 3'-nucleotidase 1, PAP-inositol 1,4-phosphatase) (HRP)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA25331	**Mouse**	**Human**	**ELISA, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

BPNT1; Monoclonal Antibody; BPNT1 (3'(2'); 5'-bisphosphate nucleotidase 1; Bisphosphate 3'-nucleotidase 1; PAP-inositol 1; 4-phosphatase) (HRP); anti-BPNT1 antibody

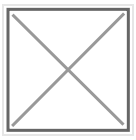
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	2E1
Specificity	Recognizes human BPNT1.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Applicable Applications for anti-BPNT1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	IHC-P: 3ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa1-100 from BPNT1 (NP_006076) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MASSNTVLMRLVASAYSIAQKAGMIVRRVIAEGDLGIVEKTCATDLQTKADRLAQMSICSSLARKFPKLTIIGEEDLPSEEVDQELIEDSQWEEILKQPC
Conjugate	HRP
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

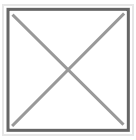
IMAGES

WB (Western Blot)
BPNT1 monoclonal antibody Western Blot analysis of BPNT1 expression in HeLa.

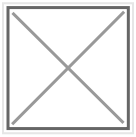
Application Data
Detection limit for recombinant GST tagged BPNT1 is ~0.03ng/ml as a capture antibody.



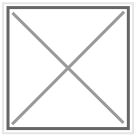
IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to BPNT1 on HeLa cell. [antibody concentration 10ug/ml]



IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to BPNT1 on formalin-fixed paraffin-embedded human pancreas. [antibody concentration 3ug/ml]



WB (Western Blot)
Western Blot analysis of BPNT1 expression in transfected 293T cell line by BPNT1 monoclonal antibody. Lane 1: BPNT1 transfected lysate (28.1kD). Lane 2: Non-transfected lysate.



WB (Western Blot)
Western Blot detection against Immunogen (36.74kD).

ADDITIONAL INFORMATION

Product Categories/Family for anti-BPNT1 antibody	Antibodies; Enzymes; Nucleotidase

NCBI AND UNIPROT INFORMATION

NCBI GI #	116812595
NCBI GeneID	10380
NCBI Accession #	NP_006076
NCBI GenBank Nucleotide #	NM_006085
UniProt Accession #	O95861; Q8WVL5; Q9UGJ3; A8K7C8; B4DPS5; B4DUS9; D3DTA9
Molecular Weight	37.5 kDa (344aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)
NCBI Official Full Name	3'(2'),5'-bisphosphate nucleotidase 1 isoform 1
NCBI Official Synonym Full Names	3'(2'), 5'-bisphosphate nucleotidase 1
NCBI Official Symbol	BPNT1
NCBI Official Synonym Symbols	PIP; HEL20
NCBI Protein Information	3'(2'),5'-bisphosphate nucleotidase 1
UniProt Protein Name	3'(2'),5'-bisphosphate nucleotidase 1
UniProt Gene Name	**BPNT1**
UniProt Synonym Gene Names	PIP
UniProt Entry Name	BPNT1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/bpnt1-antibody-clone-2e1-immunohistochemistry-western-blot-elisa/25331