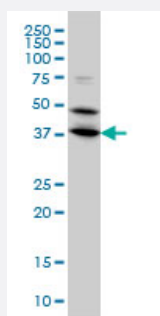


# BPNT1 monoclonal antibody (M01), clone 2E1

Catalog # H00010380-M01

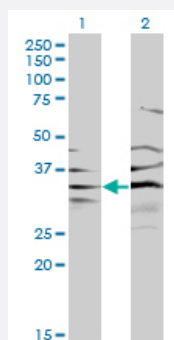
Size 100 ug

## Applications



### Western Blot (Cell lysate)

BPNT1 monoclonal antibody (M01), clone 2E1 Western Blot analysis of BPNT1 expression in HeLa ( Cat # L013V1 ).

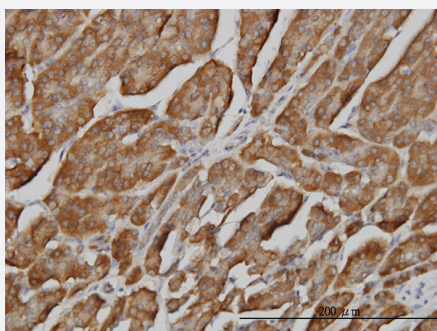


### Western Blot (Transfected lysate)

Western Blot analysis of BPNT1 expression in transfected 293T cell line by BPNT1 monoclonal antibody (M01), clone 2E1.

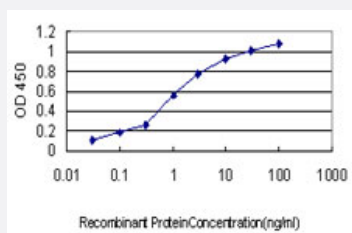
Lane 1: BPNT1 transfected lysate(28.1 KDa).

Lane 2: Non-transfected lysate.



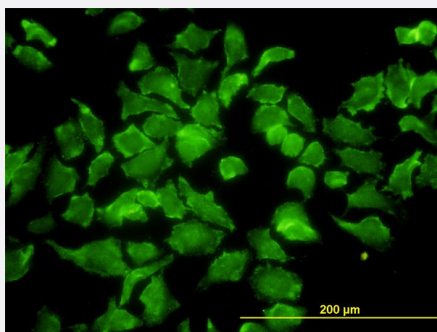
### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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



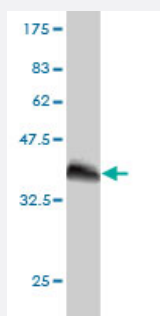
### Sandwich ELISA (Recombinant protein)

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



## Immunofluorescence

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



Western Blot detection against Immunogen (36.74 KDa) .

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against a partial recombinant BPNT1.
<b>Immunogen</b>	BPNT1 (NP_006076, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	MASSNTVLMRLVASAYSIAQKAGMIVRRVIAEGDLGVEKTCATDLQTKADRLAQMSICSSLARKF PKLTIIGEEDLPSEEVDQELIEDSQWEEILKQPC
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Interspecies Antigen Sequence</b>	Mouse (93)
<b>Isotype</b>	IgG1 Kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Cell lysate)

BPNT1 monoclonal antibody (M01), clone 2E1 Western Blot analysis of BPNT1 expression in HeLa ( Cat # L013V1 ).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of BPNT1 expression in transfected 293T cell line by BPNT1 monoclonal antibody (M01), clone 2E1.

Lane 1: BPNT1 transfected lysate(28.1 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

- Immunofluorescence

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

## Gene Info — BPNT1

Entrez GeneID [10380](#)

GeneBank Accession# [NM\\_006085](#)

Protein Accession# [NP\\_006076](#)

Gene Name	BPNT1
Gene Alias	PIP
Gene Description	3'(2'), 5'-bisphosphate nucleotidase 1
Omim ID	<a href="#">604053</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>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]</p>
Other Designations	BPntase OTTHUMP00000035564 PAP-inositol-1,4-phosphatase bisphosphate 3'-nucleotidase

## Pathway

- [Sulfur metabolism](#)

## Disease

- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)