

## Datasheet

### BPNT1 monoclonal antibody (M01), clone 2E1

**Catalog Number:** H00010380-M01

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against a partial recombinant BPNT1.

**Clone Name:** 2E1

**Immunogen:** BPNT1 (NP\_006076, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Sequence:**

MASSNTVLMRLVASAYSIAQKAGMIVRRVIAEGDLGIV  
EKTCATDLQTKADRLAQMSICSSLARKFPKLTIIGEEDL  
PSEEVDQELIEDSQWEEILKQPC

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA, IF, IHC-P, S-ELISA, WB-Ce, WB-Re, WB-Tr  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Isotype:** IgG1 Kappa

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 10380

**Gene Symbol:** BPNT1

**Gene Alias:** PIP

**Gene Summary:** 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]