

Product datasheet for CF809065

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BNP (NPPB) Mouse Monoclonal Antibody [Clone ID: OTI3H2]

Product data:

Product Type: Primary Antibodies

Clone Name: OTI3H2

Applications: LMNX, WB

Recommended Dilution: WB 1:2000

Reactivity: Human

Host: Mouse

Isotype: IgG1

Clonality: Monoclonal

Immunogen: Human recombinant protein fragment corresponding to amino acids 27-102 of human NPPB

(NP 002512) produced in E.coli.

Formulation: Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)

Reconstitution Method: For reconstitution, we recommend adding 100uL distilled water to a final antibody

concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)

Purification: Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography

(protein A/G)

Conjugation: Unconjugated

Storage: Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 11.9 kDa

Gene Name: natriuretic peptide B

Database Link: NP 002512

Entrez Gene 4879 Human

P16860





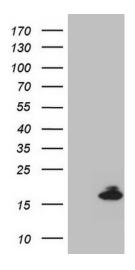
Background:

This gene is a member of the natriuretic peptide family and encodes a secreted protein which functions as a cardiac hormone. The protein undergoes two cleavage events, one within the cell and a second after secretion into the blood. The protein's biological actions include natriuresis, diuresis, vasorelaxation, inhibition of renin and aldosterone secretion, and a key role in cardiovascular homeostasis. A high concentration of this protein in the bloodstream is indicative of heart failure. Mutations in this gene have been associated with postmenopausal osteoporosis. [provided by RefSeq, Jul 2008]

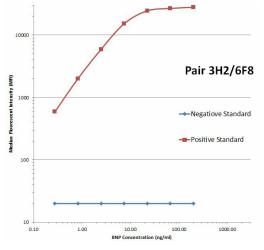
Synonyms: BNP; Iso-ANP

Protein Families: Druggable Genome, Secreted Protein, Stem cell - Pluripotency

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY NPPB ([RC206590], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NPPB (1:2000). Positive lysates [LY400900] (100ug) and [LC400900] (20ug) can be purchased separately from OriGene.



NPPB (BNP/NT-ProBNP) Luminex ELISA with 3H2 Capture ([TA809065]) and 6F8 Detection ([TA809024]) Antibodies. Substrate used: Recombinant Human BNP/NT-ProBNP domain expressed in E.coli.