

## Product datasheet for **AM06191SU-N**

### **BNP (NPPB) Mouse Monoclonal Antibody [Clone ID: 8D5B4C11]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	8D5B4C11
Applications:	IHC
Recommended Dilution:	<b>ELISA:</b> 1/10000. <b>Immunohistochemistry on Paraffin Sections:</b> 1/200 - 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic peptide corresponding to amino acids (Cys-Phe-Gly-Arg-Lys-Met-Asp-Arg-Ile-Ser-Ser-Ser-Ser) of Human BNP, conjugated to KLH.
Specificity:	Recognizes BNP (brain natriuretic peptide).
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	natriuretic peptide B
Database Link:	<a href="#">Entrez Gene 4879 Human P16860</a>



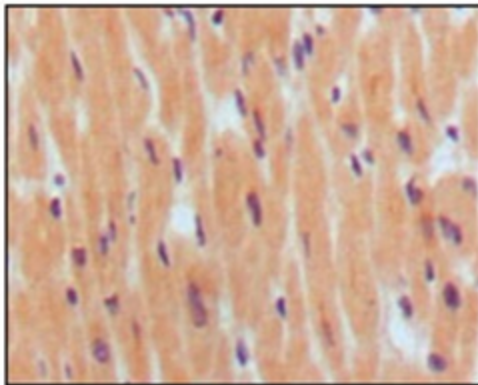
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**Background:**

BNP (brain natriuretic peptide) belongs to a family of structurally similar peptide hormones, which includes atrial natriuretic peptide (ANP), BNP, C-type natriuretic peptide (CNP) and urodilatin. ANP and BNP act mainly as cardiac hormones, produced primarily by the atrium and ventricle, respectively, while the gene encoding C-type natriuretic peptide is expressed mainly in the brain. BNP circulates in blood as a peptide hormone with natriuretic, vasodilatory and renin inhibitory properties. It is secreted predominantly by the left ventricular myocytes in response to volume expansion and pressure overload. These peptides are characterized by a common 17 amino acid ring structure with a disulfide bond between two cystein residues. This ring structure shows high homology between different natriuretic.

**Synonyms:**

NPPB, Brain natriuretic peptide, BNP, proBNP

**Product images:**

Immunohistochemical analysis of paraffin-embedded human normal myocardium, showing cytoplasmic localization using BNP1 antibody Cat.-No AM06191SU-N with DAB staining.