BNP Mouse Monoclonal Antibody

E10-20156

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.

Catalog Number: E10-20156
Amount: 100µg/100µl
Clone Number: 8D5B4C11
Species: Mouse IgG1
Aliases: BNP; NPPB
Entrez Gene: 4879
Immunogen: Synthetic peptide corresponding to aa (Cys-Phe-Gly-Arg-Lys-Met-Asp-Arg-Ile-Ser-Ser-Ser-Ser) of human BNP, conjugated to KLH.
Storage: Store at 4 -20 for long term storage, store at
Formulation: Ascitic fluid containing 0.03% sodium azide.
Species Reactivities: Human
Tested Applications: IHC ,ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.
Application notes: IHC:1/200 - 1/1000, ELISA: Propose dilution 1/10000.

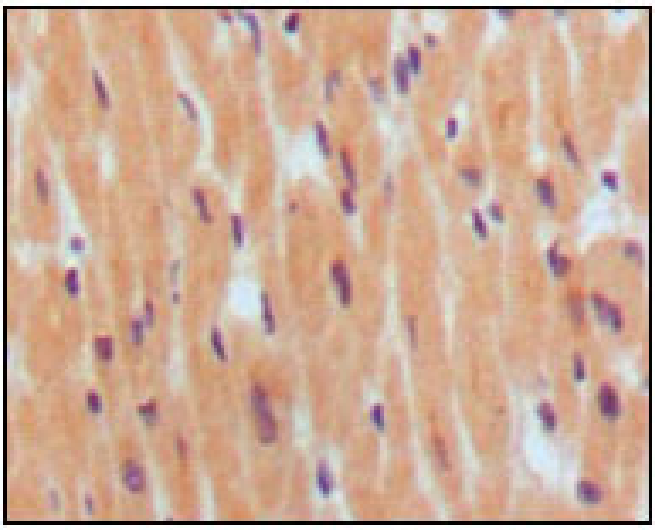

Figure 1: Immunohistochemical analysis of paraffin-embedded human normal myocardium, showing cytoplasmic localization using BNP1 mouse mAb with DAB staining.

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