



Category: Monoclonal Antibodies Cat. #: MAB-606020157

Product Name: Mouse Monoclonal Antibody to BNP

IHC-P (paraffin)

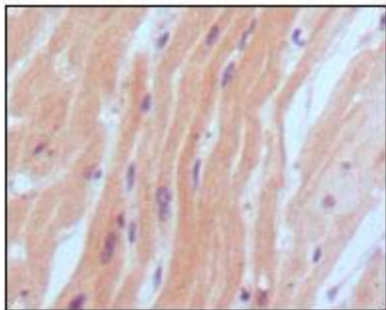


Figure 1: Immunohistochemical analysis of paraffin-embedded human normal myocardium, showing cytoplasmic localization using BNP2 mouse mAb with DAB staining.

Catalog#:
Lot#:
Clone#: 9H6B4,9H6H4A7
Host and isotype: Mouse IgG1
Size: 0.1ml
MW:
Aliases: BNP; NPPB
Entrez Gene: 4879
Species reactivity: Human

Description

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 cysteine residues. This ring structure shows high homology between different natriuretic.

Immunogen

Synthetic peptide corresponding to aa (Gly-Leu-Gln-Glu-Gln-Arg-Asn-His-Leu-Gln-Gly-Lys-Leu-Cys) of human BNP, conjugated to KLH.

Applications

Immunohistochemistry: 1/200 - 1/1000.

ELISA: Propose dilution 1/10000.

Not yet tested in other applications.

Determining optimal working dilutions by titration test.

Formulation

Ascitic fluid containing 0.03% sodium azide.

Storage

Store at 4°C, for long term storage, store at -20°C.

Related product

References

1. Dawson A. Struthers AD. Expert Opin Biol Ther. 2003, Feb, 3(1):107-12. Review.
2. Pfister R. Erdmann E. Schneider CA. Dtsch Med Wochenschr. 2003, May 2, 128(18):1007-12.

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