

**Product Name: BNP Mouse Monoclonal Antibody****Catalog #: AMM80612**

For research use only.

**Summary**

|                      |                                                                             |
|----------------------|-----------------------------------------------------------------------------|
| <b>Description</b>   | Mouse monoclonal Antibody                                                   |
| <b>Host</b>          | Mouse                                                                       |
| <b>Application</b>   | IHC,ELISA                                                                   |
| <b>Reactivity</b>    | Human                                                                       |
| <b>Conjugation</b>   | Unconjugated                                                                |
| <b>Modification</b>  | Unmodified                                                                  |
| <b>Isotype</b>       | Mouse IgG1                                                                  |
| <b>Clonality</b>     | Monoclonal                                                                  |
| <b>Form</b>          | Liquid                                                                      |
| <b>Concentration</b> | 1mg/ml                                                                      |
| <b>Storage</b>       | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| <b>Shipping</b>      | Ice bags                                                                    |
| <b>Buffer</b>        | PBS containing 0.03% sodium azide.                                          |
| <b>Purification</b>  | Affinity Purification                                                       |

**Application**

|                         |                                       |
|-------------------------|---------------------------------------|
| <b>Dilution Ratio</b>   | IHC 1:200-1:1000,ELISA 1:5000-1:20000 |
| <b>Molecular Weight</b> | /                                     |

**Antigen Information**

|                          |                                                                                                                                  |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | BNP                                                                                                                              |
| <b>Alternative Names</b> | BNP; NPPB                                                                                                                        |
| <b>Gene ID</b>           | 4879.0                                                                                                                           |
| <b>SwissProt ID</b>      | P16860                                                                                                                           |
| <b>Immunogen</b>         | 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. |

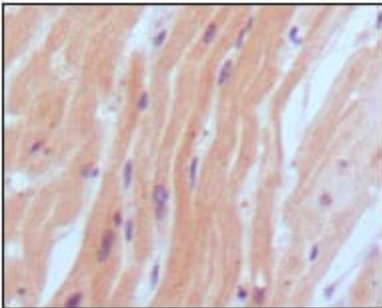
**Background**

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.

## Research Area

## Image Data



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