

## NPPB polyclonal antibody

Catalog # PAB14044

Size 100 uL

### Specification

|                            |                                                                                                                                                           |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit polyclonal antibody raised against synthetic peptide of NPPB.                                                                                      |
| <b>Immunogen</b>           | A synthetic peptide (conjugated with bovine thyroglobulin) corresponding to human NPPB.                                                                   |
| <b>Host</b>                | Rabbit                                                                                                                                                    |
| <b>Reactivity</b>          | Human, Rat                                                                                                                                                |
| <b>Specificity</b>         | Specific for human and rat Brain Natriuretic Peptide (BNP).                                                                                               |
| <b>Form</b>                | Lyophilized                                                                                                                                               |
| <b>Recommend Usage</b>     | Immunofluorescence (1:1000)<br>The optimal working dilution should be determined by the end user.                                                         |
| <b>Storage Buffer</b>      | Lyophilized from PBS, pH 7.2                                                                                                                              |
| <b>Storage Instruction</b> | Store at 4°C on dry atmosphere.<br>After reconstitution with deionized water, store at -20°C or lower.<br>Aliquot to avoid repeated freezing and thawing. |

### Applications

- Immunohistochemistry
- Enzyme-linked Immunoabsorbent Assay
- Radioimmunoassay

### Gene Info — NPPB

Entrez GeneID

[4879](#)

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name          | NPPB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Alias         | BNP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gene Description   | natriuretic peptide precursor B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Omim ID            | <a href="#">600295</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Gene Summary       | 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] |
| Other Designations | OTTHUMP00000002506 OTTHUMP00000044486 brain type natriuretic peptide natriuretic protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Pathway

- [Vascular smooth muscle contraction](#)

## Disease

- [Alzheimer disease](#)
- [Atherosclerosis](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Edema](#)

- [Genetic Predisposition to Disease](#)
- [Heart Failure](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Insulin Resistance](#)
- [Kidney Diseases](#)
- [Liver Cirrhosis](#)
- [Mental Disorders](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Renal Artery Obstruction](#)
- [Ventricular Dysfunction](#)