

## NPPB polyclonal antibody

Catalog # PAB8976

Size 100 ug

### Specification

|                                |                                                                                                                           |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Rabbit polyclonal antibody raised against synthetic peptide of NPPB.                                                      |
| <b>Immunogen</b>               | A synthetic peptide corresponding to amino acids 71-98 of human NPPB.                                                     |
| <b>Host</b>                    | Rabbit                                                                                                                    |
| <b>Reactivity</b>              | Human, Rat                                                                                                                |
| <b>Form</b>                    | Liquid                                                                                                                    |
| <b>Quality Control Testing</b> | Antibody Reactive Against Synthetic Peptide.                                                                              |
| <b>Recommend Usage</b>         | Western Blot (1:500)<br>Immunoprecipitation (1:200)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>          | In buffer containing 0.02% sodium azide                                                                                   |
| <b>Storage Instruction</b>     | Store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                                                        |
| <b>Note</b>                    | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.    |

### Applications

- Western Blot
- Immunohistochemistry
- Immunoprecipitation

## Gene Info — NPPB

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">4879</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Publication Reference

- [BNP and N-terminal proBNP are both extracted in the normal kidney.](#)

Goetze JP, Jensen G, Moller S, Bendtsen F, Rehfeld JF, Henriksen JH.

European Journal of Clinical Investigation 2006 Jan; 36(1):8.

Application: ELISA, Human, Plasma from patients with essential arterial hypertension, cirrhosis, and control patients without kidney or liver disease

- [Increased plasma levels of NT-proANP and NT-proBNP as markers of cardiac dysfunction in septic patients.](#)

Ursula Hoffmann, Martina Brueckmann, Thomas Bertsch, Mike Wiessner, Claudia Liebetrau, Siegfried Lang, Karl K Haase, Martin Borggrefe, Guenter Huhle.

Clinical Laboratory 2005 Jan; 51(7-8):373.

Application: ELISA, Human, Human plasma

- [Essential biochemistry and physiology of \(NT-pro\)BNP.](#)

Hall C.

European Journal of Heart Failure 2004 Mar; 6(3):257.

## 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](#)