

BNP Antibody
Rabbit Polyclonal Antibody
Catalog # ABV11483**Specification**

BNP Antibody - Product Information

Application	WB
Primary Accession	P16860
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	14726

BNP Antibody - Additional Information**Gene ID** 4879

Positive Control	Western Blot: human BNP
Application & Usage	Western blot: 1-4 µg
Other Names	
NPPB, Natriuretic Peptide Precursor B, BNP, B-type Natriuretic Peptide	

Target/Specificity
BNP**Antibody Form**
Liquid**Appearance**
Colorless liquid**Formulation**
100 µg (0.5 mg/ml) of antibody in PBS pH 7.2, 0.01 % BSA, 0.03 % ProClin®, and 50 % glycerol.**Handling**
The antibody solution should be gently mixed before use.**Reconstitution & Storage**
-20 °C**Background Descriptions****Precautions**
BNP Antibody is for research use only and not for use in diagnostic or therapeutic procedures.**BNP Antibody - Protein Information**

Name NPPB**Function**

[Brain natriuretic peptide 32]: Cardiac hormone that plays a key role in mediating cardio-renal homeostasis (PubMed:9458824, PubMed:1672777, PubMed:1914098, PubMed:17372040). May also function as a paracrine antifibrotic factor in the heart (By similarity). Acts by specifically binding and stimulating NPR1 to produce cGMP, which in turn activates effector proteins that drive various biological responses (PubMed:9458824, PubMed:1672777, PubMed:17372040, PubMed:21098034, PubMed:17349887, PubMed:25339504). Involved in regulating the extracellular fluid volume and maintaining the fluid- electrolyte balance through natriuresis, diuresis, vasorelaxation, and inhibition of renin and aldosterone secretion (PubMed:9458824, PubMed:1914098). Binds the clearance receptor NPR3 (PubMed:16870210).

Cellular Location

[NT-proBNP]: Secreted Note=Detected in blood. [Brain natriuretic peptide 32]: Secreted. Note=Detected in blood.

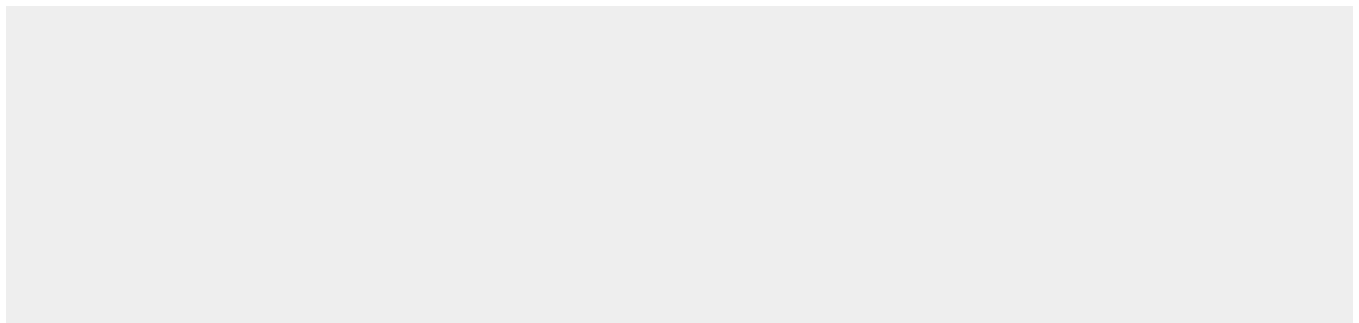
Tissue Location

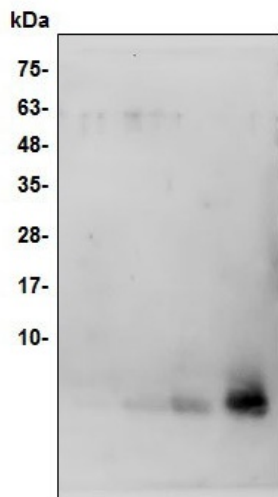
[Brain natriuretic peptide 32]: Detected in the cardiac atria (at protein level) (PubMed:2138890, PubMed:2136732) Detected in the kidney distal tubular cells (at protein level) (PubMed:9794555).

BNP Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

BNP Antibody - Images



Western blot with BNP antibody: Lane 1: 10 ng human BNP; Lane 2: 50 ng human BNP; Lane 3: 200 ng human BNP; Lane 4: 1 μ g human BNP

BNP Antibody - Background

Natriuretic Peptide Precursor B acts as a cardiac hormone with a variety of biological actions including natriuresis, diuresis, vasorelaxation, and inhibition of renin and aldosterone secretion. It is thought to play a key role in cardiovascular homeostasis. It helps to restore the body's salt and H₂O balance and improves heart function