

For Research Use Only

# BNP Polyclonal antibody

Catalog Number: 13299-1-AP

15 Publications



## Basic Information

Catalog Number:

13299-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4039

GenBank Accession Number:

BC025785

GeneID (NCBI):

4879

UNIPROT ID:

P16860

Full Name:

natriuretic peptide precursor B

Calculated MW:

134 aa, 15 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:50-1:500

IF/ICC 1:200-1:800

## Applications

Tested Applications:

IHC, IF/ICC, ELISA

Cited Applications:

IHC

Species Specificity:

human

Cited Species:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

IHC : human heart tissue, human brain tissue

IF/ICC : HepG2 cells,

## Background Information

NPPB, also known as B-type natriuretic peptide (BNP), is a cardiac hormone that is secreted mainly in the ventricles in response to increased wall stress. 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. BNP is a marker of systolic and diastolic dysfunction and a strong predictor of mortality in heart failure patients.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yuxiang Wang	35881904	J Cardiovasc Pharmacol	
Yu-Hui Gu	36386139	Front Pharmacol	IHC
Yue Cui	34607503	Pharm Biol	

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

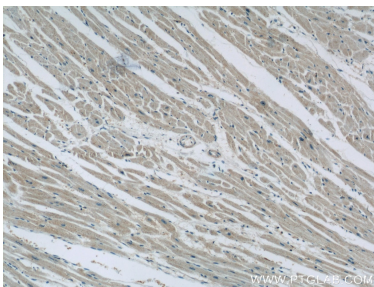
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

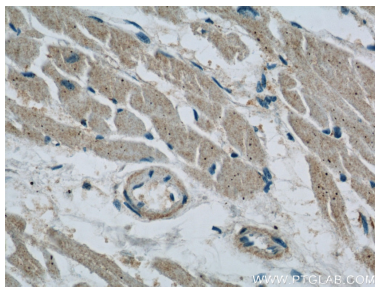
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

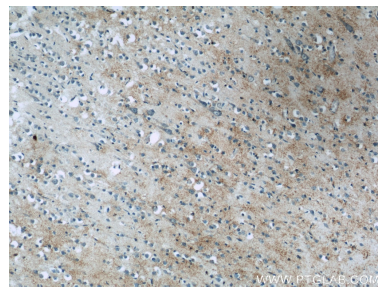
## Selected Validation Data



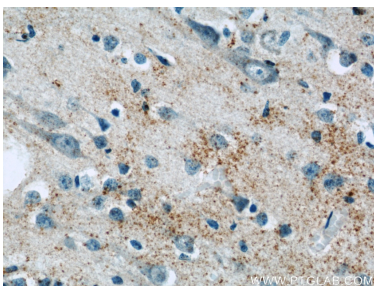
Immunohistochemical analysis of paraffin-embedded human heart slide using 13299-1-AP (BNP Antibody) at dilution of 1:50.



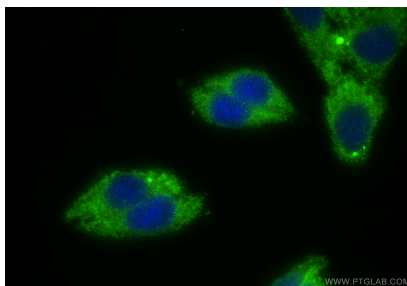
Immunohistochemical analysis of paraffin-embedded human heart slide using 13299-1-AP (BNP Antibody) at dilution of 1:50.



Immunohistochemical analysis of paraffin-embedded human brain slide using 13299-1-AP (BNP Antibody) at dilution of 1:50.



Immunohistochemical analysis of paraffin-embedded human brain slide using 13299-1-AP (BNP Antibody) at dilution of 1:50.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using BNP antibody (13299-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).