

For Research Use Only

# BNP Polyclonal antibody

Catalog Number: 13299-1-AP **15 Publications**



## Basic Information

<b>Catalog Number:</b> 13299-1-AP	<b>GenBank Accession Number:</b> BC025785	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 550 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4879	<b>Recommended Dilutions:</b> IHC 1:50-1:500 IF/ICC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P16860	
<b>Isotype:</b> IgG	<b>Full Name:</b> natriuretic peptide precursor B	
<b>Immunogen Catalog Number:</b> AG4039	<b>Calculated MW:</b> 134 aa, 15 kDa	

## Applications

<b>Tested Applications:</b> IHC, IF/ICC, ELISA	<b>Positive Controls:</b> IHC : human heart tissue, human brain tissue IF/ICC : HepG2 cells,
<b>Cited Applications:</b> IHC	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human	

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

## 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

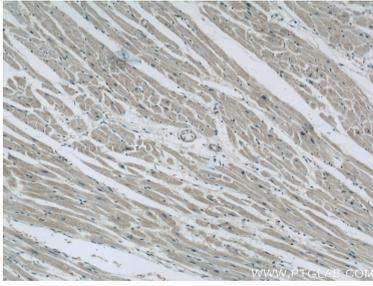
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

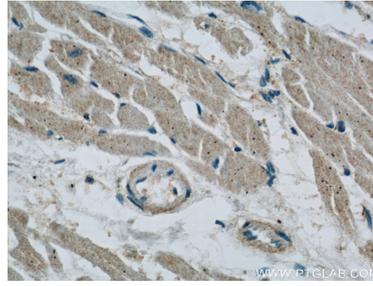
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

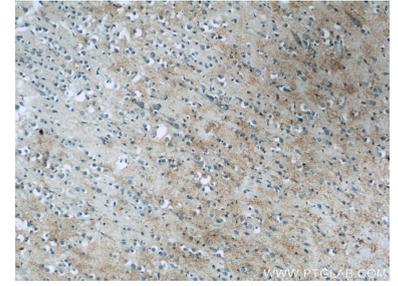
## Selected Validation Data



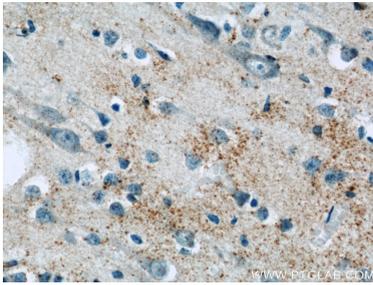
Immunohistochemical analysis of paraffin-embedded human heart slide using 13299-1-AP (BNP Antibody) at dilution of 1:50.



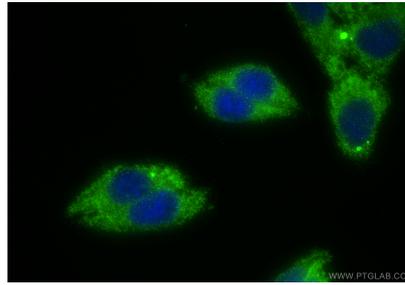
Immunohistochemical analysis of paraffin-embedded human heart slide using 13299-1-AP (BNP Antibody) at dilution of 1:50.



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).