

For Research Use Only

NPPB Polyclonal antibody

Catalog Number: 13299-1-AP

17 Publications



Basic Information

Catalog Number:

13299-1-AP

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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

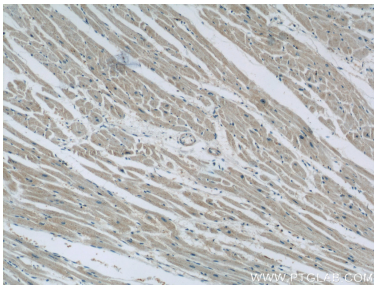
T: 4006900926

E: Proteintech-CN@ptglab.com

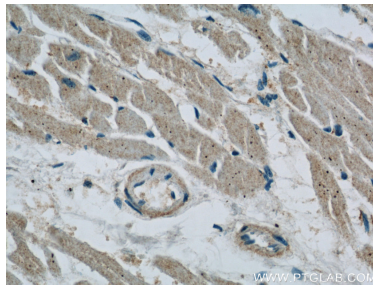
W: ptgcn.com

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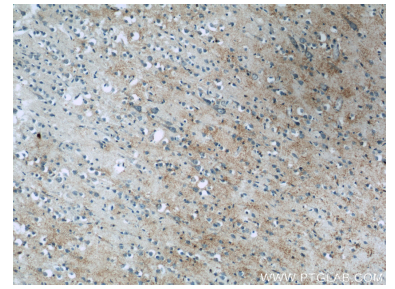
Selected Validation Data



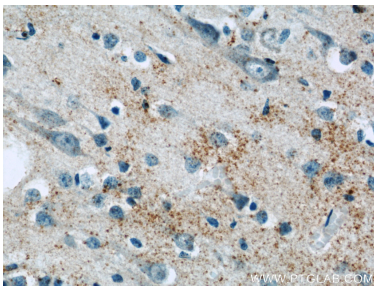
Immunohistochemical analysis of paraffin-embedded human heart slide using 13299-1-AP (BNP Antibody) at dilution of 1:50.



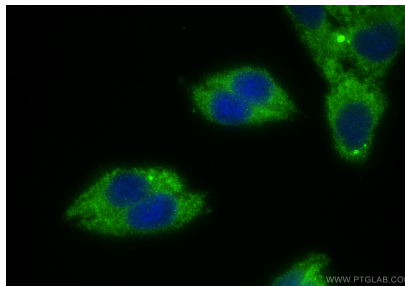
Immunohistochemical analysis of paraffin-embedded human heart slide using 13299-1-AP (BNP Antibody) at dilution of 1:50.



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).