

For Research Use Only

BNP Polyclonal antibody

Catalog Number: 13299-1-AP **2 Publications**



Basic Information

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| Catalog Number: 13299-1-AP | GenBank Accession Number: BC025785 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 550 µg/ml by Nanodrop and 307 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 4879 | Recommended Dilutions: IHC 1:20-1:200 |
| Source: Rabbit | Full Name: natriuretic peptide precursor B | |
| Isotype: IgG | Calculated MW: 134 aa, 15 kDa | |
| Immunogen Catalog Number: AG4039 | | |

Applications

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| Tested Applications: IHC, ELISA | Positive Controls: IHC : human brain tissue, human heart tissue |
| 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 | |

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 |
|----------|-----------|-------------|-------------|
| Qing Cao | 29118297 | Int Heart J | WB |
| Xin Xie | 31086810 | Sci Adv | IHC |

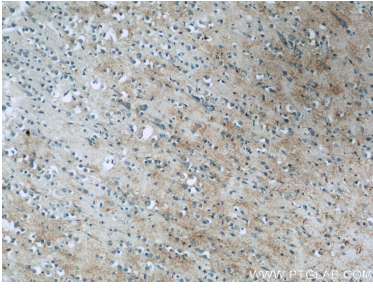
Storage

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

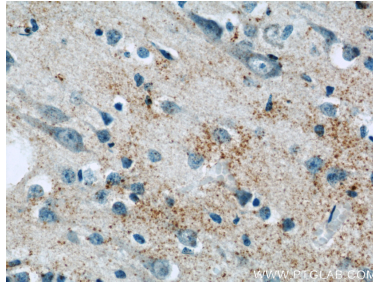
For technical support and original validation data for this product please contact:
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Selected Validation Data



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



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