

For Research Use Only

NPPB Polyclonal antibody

Catalog Number: 28214-1-AP



Basic Information

Catalog Number: 28214-1-AP	GenBank Accession Number: BC025785	Purification Method: Antigen affinity purification
Source: Rabbit	GeneID (NCBI): 4879	Recommended Dilutions: IHC: 1:50-1:500
Isotype: IgG	UNIPROT ID: P16860	
Immunogen Catalog Number: AG28133	Full Name: natriuretic peptide precursor B	
	Calculated MW: 134 aa, 15 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : mouse heart tissue, rat brain tissue
Species Specificity: human, mouse, rat	

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.

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:

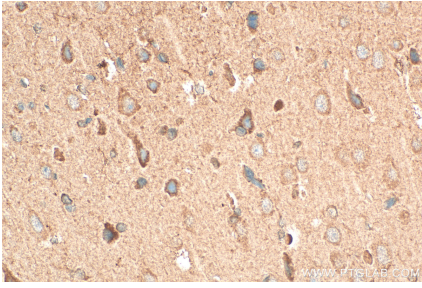
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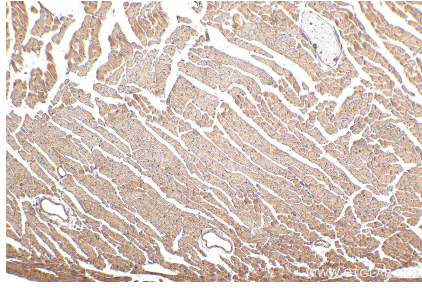
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 28214-1-AP (BNP antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 28214-1-AP (BNP antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).