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Datasheet for ABIN678623

anti-BNP antibody (AA 85-115)

4 Images

2 Publications

Overview

Quantity:	100 µL
Target:	BNP
Binding Specificity:	AA 85-115
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BNP antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from rat BNP
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Mouse
Purification:	Purified by Protein A.

Target Details

Target:	BNP
Alternative Name:	BNP (BNP Products)

Target Details

Background: Synonyms: BNP, Bnf, Natriuretic peptides B, Gamma-brain natriuretic peptide, Iso-ANP, Nppb
Background: Cardiac hormone which may function as a paracrine antifibrotic factor in the heart. Also plays a key role in cardiovascular homeostasis through natriuresis, diuresis, vasorelaxation, and inhibition of renin and aldosterone secretion. Specifically binds and stimulates the cGMP production of the NPR1 receptor. Binds the clearance receptor NPR3 (By similarity).

Gene ID: 25105

UniProt: [P13205](#)

Pathways: [Hormone Activity](#)

Application Details

Application Notes: ELISA 1:500-1000
IHC-P 1:200-400
IF(IHC-P) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

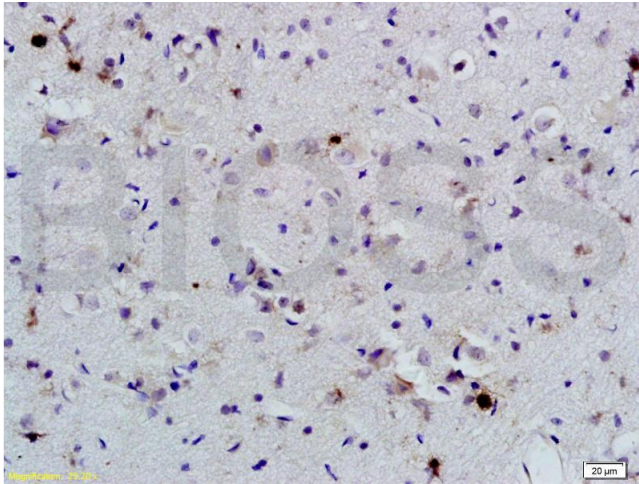
Expiry Date: 12 months

Publications

Product cited in: Rigazio, Hernández, Corral: "Cardiopathogenic mediators generated by GATA4 signaling upon co-activation with endothelin-1 and Trypanosoma cruzi infection." in: **Microbial pathogenesis**, Vol. 73, pp. 47-52, (2014) ([PubMed](#)).

Chavali, Tyagi, Mishra: "Differential expression of dicer, miRNAs, and inflammatory markers in diabetic Ins2+/- Akita hearts." in: **Cell biochemistry and biophysics**, Vol. 68, Issue 1, pp. 25-35, (2014) ([PubMed](#)).

Images



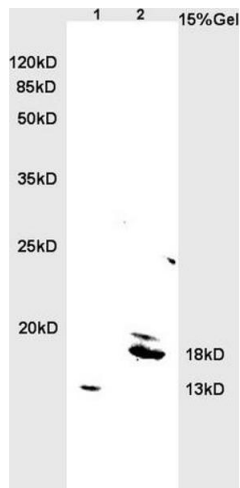
Immunohistochemistry

Image 1. Formalin-fixed and paraffin-embedded rat brain labeled with Anti-BNP Polyclonal Antibody, Unconjugated (ABIN678623) 1:200, overnight at 4 °C, The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated used at 1:200 dilution for 40 minutes at 37 °C.



Immunofluorescence

Image 2. Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti BNP Polyclonal Antibody, Unconjugated (ABIN678623) at 1:200 followed by conjugation to the secondary antibody and DAB staining



SDS-PAGE

Image 3. L1 rat brain lysates L2 rat heart lysates probed with Anti BNP Polyclonal Antibody, Unconjugated (ABIN678623) at 1:200 overnight at 4 °C. Followed by conjugation to secondary antibody at 1:3000 for 90 min at 37 °C. Predicted band 13kD. Observed band size:13kD, 18kD.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN678623.