

Anti-NPPB / BNP Antibody (clone 2D11)
Mouse Anti Human Monoclonal Antibody
Catalog # ALS18181**Specification**

Anti-NPPB / BNP Antibody (clone 2D11) - Product Information

Application	WB, IHC-P, E, IP
Primary Accession	P16860
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG3,k
Calculated MW	14726

Anti-NPPB / BNP Antibody (clone 2D11) - Additional Information**Gene ID** 4879**Alias Symbol** **NPPB****Other Names**

NPPB, BNP, Natriuretic peptides B, Natriuretic peptide B, Natriuretic protein, Brain type natriuretic peptide

Target/Specificity

Human NPPB / BNP

Reconstitution & Storage

Protein A purified

Precautions

Anti-NPPB / BNP Antibody (clone 2D11) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-NPPB / BNP Antibody (clone 2D11) - Protein Information**Name** NPPB**Function**

[Brain natriuretic peptide 32]: Cardiac hormone that plays a key role in mediating cardio-renal homeostasis (PubMed: [9458824](http://www.uniprot.org/citations/9458824), PubMed: [1672777](http://www.uniprot.org/citations/1672777), PubMed: [1914098](http://www.uniprot.org/citations/1914098), PubMed: [17372040](http://www.uniprot.org/citations/17372040)). May also function as a paracrine antifibrotic factor in the heart (By similarity). Acts by specifically binding and stimulating NPR1 to produce cGMP, which in turn activates effector proteins that drive various biological responses (PubMed: [9458824](http://www.uniprot.org/citations/9458824), PubMed: [1672777](http://www.uniprot.org/citations/1672777), PubMed: [1914098](http://www.uniprot.org/citations/1914098), PubMed: [17372040](http://www.uniprot.org/citations/17372040)).

[17372040](http://www.uniprot.org/citations/17372040), PubMed:[21098034](http://www.uniprot.org/citations/21098034), PubMed:[17349887](http://www.uniprot.org/citations/17349887), PubMed:[25339504](http://www.uniprot.org/citations/25339504)). Involved in regulating the extracellular fluid volume and maintaining the fluid- electrolyte balance through natriuresis, diuresis, vasorelaxation, and inhibition of renin and aldosterone secretion (PubMed:[9458824](http://www.uniprot.org/citations/9458824), PubMed:[1914098](http://www.uniprot.org/citations/1914098)). Binds the clearance receptor NPR3 (PubMed:[16870210](http://www.uniprot.org/citations/16870210)).

Cellular Location

[NT-proBNP]: Secreted Note=Detected in blood. [Brain natriuretic peptide 32]: Secreted. Note=Detected in blood.

Tissue Location

[Brain natriuretic peptide 32]: Detected in the cardiac atria (at protein level) (PubMed:2138890, PubMed:2136732) Detected in the kidney distal tubular cells (at protein level) (PubMed:9794555).

Anti-NPPB / BNP Antibody (clone 2D11) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-NPPB / BNP Antibody (clone 2D11) - Images