BOSTER BIOLOGICAL TECHNOLOGY
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Anti-ANP/NPPA Antibody Picoband®

Catalog Number: PB9295

About NPPA

Atrial natriuretic peptide (ANP), also known as NPPA or PND, is a powerful vasodilator, and a protein (polypeptide) hormone secreted by heart muscle cells. This gene is mapped to 1p36.22. It is involved in the homeostatic control of body water, sodium, potassium and fat (adipose tissue). ANP is released by muscle cells in the upper chambers (atria) of the heart (atrial myocytes) in response to high blood volume. It acts to reduce the water, sodium and adipose loads on the circulatory system, thereby reducing blood pressure. ANP has exactly the opposite function of the aldosterone secreted by the zona glomerulosa in regard to its effect on sodium in the kidney – that is, aldosterone stimulates sodium retention and it generates sodium loss.

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Overview

Product Name	Anti-ANP/NPPA Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-ANP/NPPA Antibody Picoband® catalog # PB9295. Tested in WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9 mg NaCl, 0.2 mg Na2HPO4, and 0.05 mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P01160

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Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human ANP, different from the related mouse and rat sequences by one amino acid.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Mouse, Rat, Human

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Anti-ANP/NPPA Antibody Picoband® (PB9295) Images



Anti-ANP Picoband antibody, PB9295, Western blottingAll lanes: Anti ANP (PB9295) at 0.5ug/mlLane 1: Rat Cardiac Muscle Tissue Lysate at 50ugLane 2: Mouse Cardiac Muscle Tissue Lysate at 50ugPredicted bind size: 17KDObserved bind size: 17KD

1 Publications Citing This Product

1. PubMed ID: 27343265, Localization of corin and atrial natriuretic peptide expression in human renal segments

Visit bosterbio.com/anti-anp-picoband-trade-antibody-pb9295-boster.html to see all 1 publications.

Anti-ANP/NPPA Antibody

For Research Use Only. Not for use in diagnostic procedures.