

ANP Polyclonal Antibody | anti-ANP antibody

Anti-ANP Antibody

CATALOG # AAA46361	REACTIVITY Mouse, Rat; Predicted to work with: Human	APPLICATIONS Western Blot
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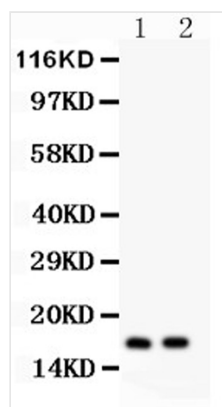
PRODUCT SYNONYMS

ANP; Polyclonal Antibody; Anti-ANP Antibody; Natriuretic peptides A; ANF; ANF_HUMAN; ATFB6; Atrial natriuretic factor; Atrial natriuretic factor precursor; Atrial natriuretic peptide; Atriopeptin; Cardionatrin; CDD ANF; CDD-ANF; CDP; Natriuretic peptide A; Natriuretic Peptide Precursor A; NPPA; PND; Prepronatriodilatin; natriuretic peptide A; anti-ANP antibody

PRODUCT SPECIFICATIONS

Reactivity	Mouse, Rat; Predicted to work with: Human
Clonality	Polyclonal
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	151
Applicable Applications for anti-ANP antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human ANP(124-151aa SLRRSSCFGGRMDRIGAQSGLGCNSFRY), different from the related mouse and rat sequences by one amino acid.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Anti- ANP Picoband antibody, AAA46361, Western blottingAll lanes: Anti ANP (AAA46361) 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

ADDITIONAL INFORMATION

Related Product Information for anti-ANP antibody	Description: Rabbit IgG polyclonal antibody for Natriuretic peptides A(NPPA) detection. Tested with WB in Human;Mouse;Rat. Background: 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.
References	1. Addicks K, Forssmann WG, Henkel H, Holthausen U, Menz V, Rippegather G, Ziskoven D (1989). "Calcium-calmodulin antagonists Influences the release of cardiodilatin/ANP from atrial cardiocytes". In Wambach G, Kaufmann W.Endocrinology of the heart. Berlin: Springer-Verlag. 1. 2. Potter LR, Yoder AR, Flora DR, Antos LK, Dickey DM (2009). "Natriuretic peptides: their structures, receptors, physiologic functions and therapeutic applications". Handb Exp Pharmacol. Handbook of Experimental Pharmacology 191 (191): 341-66. 3. Widmaier, Eric P.; Hershel Raff; Kevin T. Strang (2008). Vander's Human Physiology, 11th Ed. McGraw-Hill. pp. 291, 509-10.

NCBI AND UNIPROT INFORMATION

NCBI GI #	23510319
NCBI GeneID	4878
NCBI Accession #	NP_006163.1
NCBI GenBank Nucleotide #	NM_006172.3
UniProt Accession #	P01160; Q13766; Q5JZE1
NCBI Official Full Name	natriuretic peptides A preproprotein
NCBI Official Synonym Full Names	natriuretic peptide A
NCBI Official Symbol	NPPA
NCBI Official Synonym Symbols	ANF; ANP; CDD; CDP; PND; ATRST2; CDD-ANF
NCBI Protein Information	natriuretic peptides A
UniProt Protein Name	Natriuretic peptides A
UniProt Gene Name	NPPA
UniProt Synonym Gene Names	ANP; PND; CDD; CDP; ANF; ANP
UniProt Entry Name	ANF_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/anp-antibody-western-blot-elisa/46361>