

Product Datasheet

preproANP Antibody NBP2-14873

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NBP2-14873

preproANP Antibody

Product Information

Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS (pH 7), 20% Glycerol
Target Molecular Weight	17 kDa

Product Description

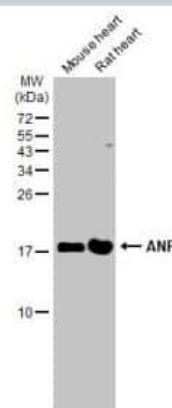
Host	Rabbit
Gene ID	4878
Gene Symbol	NPPA
Species	Human, Mouse, Rat
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Canine (83%), Porcine (87%), Rabbit (81%), Bovine (83%).
Immunogen	Full length human preproANP Recombinant protein.

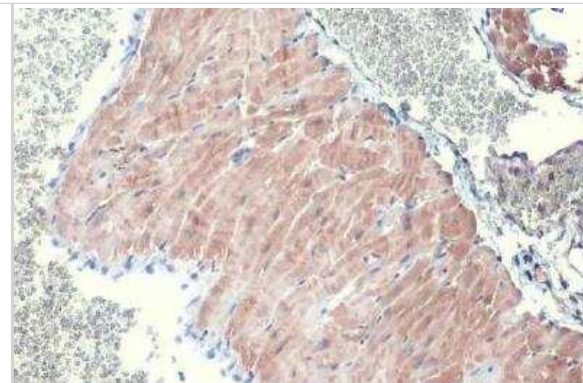
Product Application Details

Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:20000, Immunohistochemistry 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

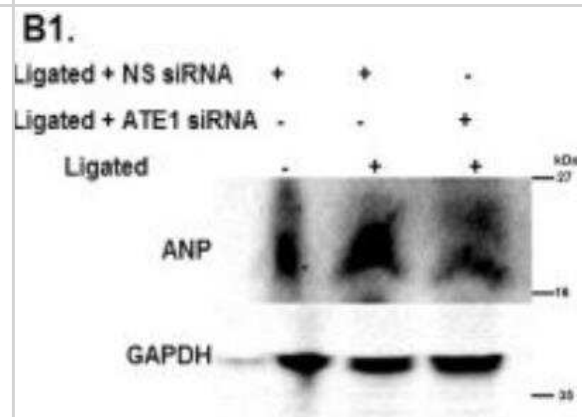
Images

Western Blot: preproANP Antibody [NBP2-14873] - Various tissue extracts (50 ug) were separated by 15% SDS-PAGE, and the membrane was blotted with ANP antibody [N1C3] diluted at 1:2000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.

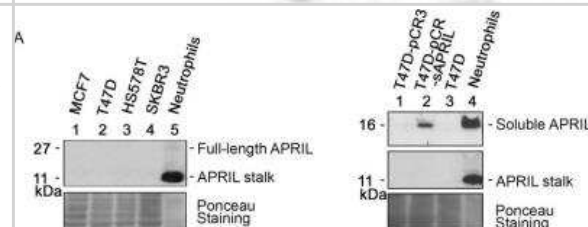




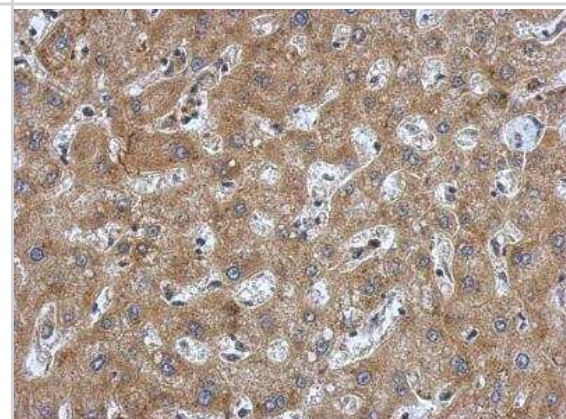
Western Blot: preproANP Antibody [NBP2-14873] - Knockdown of ATE1 attenuates cardiac hypertrophy. Western blot analysis of preproANP protein levels in heart samples from sham and renal ligated rats (B2) bar graph was generated by quantifying the blots and normalizing the intensities of bands to the untreated lane (C) BNP and (D) beta-MHC in Ligated ATE1 siRNA when compared with Ligated NS siRNA samples. Statistical analysis was carried out by one-way ANOVA. Data are represented as mean +/- SE. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41598-019-57379-7>) licensed under a CC-BY license.



Western Blot: preproANP Antibody [NBP2-14873] - Knockdown of ATE1 attenuates cardiac hypertrophy. Western blot analysis of preproANP protein levels in heart samples from sham and renal ligated rats (B2) bar graph was generated by quantifying the blots and normalizing the intensities of bands to the untreated lane (C) BNP and (D) beta-MHC in Ligated ATE1 siRNA when compared with Ligated NS siRNA samples. Statistical analysis was carried out by one-way ANOVA. Data are represented as mean +/- SE. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41598-019-57379-7>) licensed under a CC-BY license.



Immunohistochemistry-Paraffin: preproANP Antibody [NBP2-14873] - Human hepatoma, using ANP antibody at 1:500 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



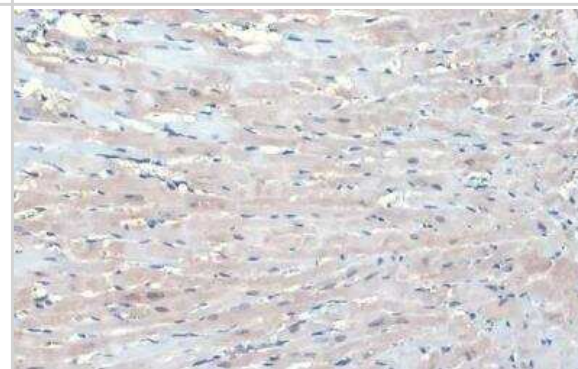
Immunohistochemistry-Paraffin: preproANP Antibody [NBP2-14873] - Mouse muscle. ANP antibody [N1C3] diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



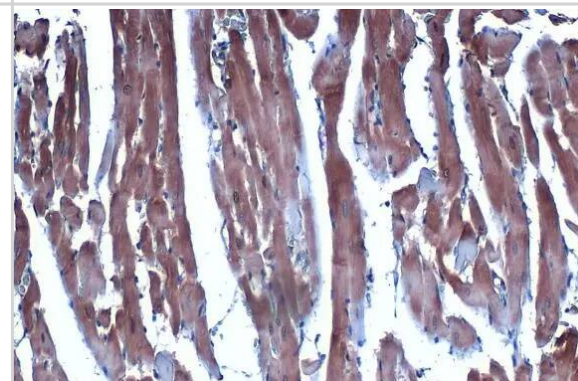
Immunohistochemistry-Paraffin: preproANP Antibody [NBP2-14873] - Mouse heart. ANP stained by preproANP antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



Immunohistochemistry-Paraffin: preproANP Antibody [NBP2-14873] - Rat heart. ANP stained by ANP antibody [N1C3] diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



Immunohistochemistry-Paraffin: preproANP Antibody [NBP2-14873] - preproANP antibody [N1C3] detects secreted preproANP protein by immunohistochemical analysis. Sample: Paraffin-embedded rat heart. preproANP stained by preproANP antibody [N1C3] (NBP2-14873) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



Publications

Li S, Cao W, Wang B et al. TRIF/miR-34a mediates aldosterone-induced cardiac inflammation and remodeling Clin. Sci. 2020-06-26 [PMID: 32542395]

Singh K, Gupta A, Sarkar A et al. Arginyltransferase knockdown attenuates cardiac hypertrophy and fibrosis through TAK1-JNK1/2 pathway Sci Rep 2020-01-17 [PMID: 31953451] (WB, Rat)

Das NA, Carpenter AJ, Yashida T et al. TRAF3IP2 mediates TWEAK/TWEAKR-induced pro-fibrotic responses in cultured cardiac fibroblasts and the heart J Mol Cell Cardiol. 2018-07-05 [PMID: 29981796] (WB, Mouse)

Zhang QJ, Tran TAT, Wang M et al. Histone lysine dimethyl-demethylase KDM3A controls pathological cardiac hypertrophy and fibrosis Nat Commun 2018-12-07 [PMID: 30531796] (WB, Mouse)

Yariswamy M, Yoshida T, Valente AJ et al. Cardiac-Restricted Overexpression of TRAF3 Interacting Protein 2 (TRAF3IP2) Results in Spontaneous Development of Myocardial Hypertrophy, Fibrosis and Dysfunction. J Biol Chem. [PMID: 27466370] (WB, Mouse)

Somanna NK, Yariswamy M, Garagliano JM et al. Aldosterone-induced cardiomyocyte growth, and fibroblast migration and proliferation are mediated by TRAF3IP2 Cell. Signal. 2015-07-04 [PMID: 26148936] (WB, Mouse)





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Products Related to NBP2-14873

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00004878-P01-10ug	Recombinant Human preproANP GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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