

# Product Datasheet

## Atrial Natriuretic Peptide/ANP Antibody NBP1-97752

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

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**NBP1-97752****Atrial Natriuretic Peptide/ANP Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

<b>Product Description</b>	
<b>Host</b>	Goat
<b>Gene ID</b>	4878
<b>Gene Symbol</b>	NPPA
<b>Species</b>	Human, Mouse, Rat
<b>Specificity/Sensitivity</b>	The immunizing peptide represents aa137-150 of the precursor NPPA.
<b>Immunogen</b>	Peptide with sequence RIGAQSGLG CNSFR corresponding to C-Terminus according to NP_006163.1.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
<b>Recommended Dilutions</b>	Western Blot 0.01 - 0.03 ug/mL, Immunohistochemistry 5 - 10 ug/mL, Immunohistochemistry-Paraffin 5 - 10 ug/mL, Peptide ELISA Detection limit 1:32000
<b>Application Notes</b>	WB: Approx. 19 kDa band observed in mouse and rat heart lysates (calculated MW of 16.4 kDa band according to human precursor NP_006163.1 and 16.6 kDa band according to mouse precursor NP_032751.1). IHC-P: Human heart shows vesicular staining inside the cardiac fibrils, accumulating towards the cell membrane.

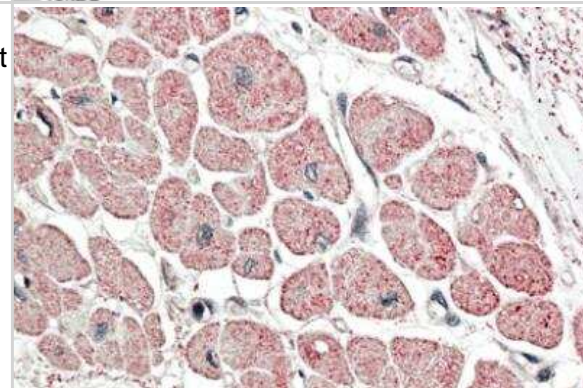


## Images

Western Blot: Atrial Natriuretic Peptide/ANP Antibody [NBP1-97752] - Analysis of Mouse Heart lysate (35 ug protein in RIPA buffer). Antibody at 0.01 ug/mL. Primary incubation was 1 hour. Detected by chemiluminescence.

250kDa  
150kDa  
100kDa  
75kDa  
50kDa  
37kDa  
25kDa  
20kDa  
15kDa

Immunohistochemistry-Paraffin: Atrial Natriuretic Peptide/ANP Antibody [NBP1-97752] - Staining of paraffin embedded Human Heart. Antibody at 5 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



## Publications

Al-Qazazi R, Lima PDA, Prisco SZ Et al. Macrophage-NLRP3 Activation Promotes Right Ventricle Failure in Pulmonary Arterial Hypertension Am J Respir Crit Care Med 2022-06-14 [PMID: 35699679] (ICC/IF, Rat)

Details:

Citation using the Alexa Fluor 700 version of this antibody.

Ibebuogu UN, Gladysheva IP, Houng AK, Reed GL. Decompensated heart failure is associated with reduced corin levels and decreased cleavage of pro-atrial natriuretic peptide. Circ Heart Fail 2011-03-01 [PMID: 21216831]



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP1-97752**

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HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
NBP3-17073PEP	Atrial Natriuretic Peptide/ANP Recombinant Protein Antigen

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### **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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