



# Anti-Pro-Atrial Natriuretic Peptide (aa 1-30) polyclonal antibody (DPAB3227)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Polyclonal Antibody to Pro-Atrial Natriuretic Peptide (a.a. 1-30)
<b>Specificity</b>	Synthetic human pro-ANP (a.a. 1-30). There were no cross reactivities obtained with human pro-ANP (a.a. 31-67, 67-98) and human ANP (a.a. 1-28).
<b>Immunogen</b>	Synthetic human pro-ANP (a.a. 1-30) poly Lysin conjugated
<b>Source/Host</b>	Sheep
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	RIA, ELISA
<b>Format</b>	serum
<b>Concentration</b>	20 µl / 100 µl (lyophilized) resuspend in 20 µl / 100 µl aqua bidest
<b>Preservative</b>	None
<b>Storage</b>	2°C-8°C (lyophilized); - 20°C (dissolved) Repeated thawing and freezing must be avoided

## BACKGROUND

<b>Introduction</b>	Atrial natriuretic peptide (ANP), atrial natriuretic factor (ANF), atrial natriuretic hormone (ANH), or atriopeptin is a powerful vasodilator, and a protein (polypeptide) hormone secreted by heart muscle cells.[1][2] It is involved in the homeostatic control of body water, sodium, potassium and fat (adipose tissue). It is released by muscle cells in the upper chambers (atria) of the heart
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(atrial myocytes) in response to high blood pressure. ANP acts to reduce the water, sodium and adipose loads on the circulatory system, thereby reducing blood pressure.

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**Keywords**

ANF; ANP; ANH, Atrial natriuretic factor; Atrial natriuretic peptide; CDD ANF; CDD-ANF; CDP; Natriuretic Peptide Precursor A; NPPA; PND; Prepronatriodilatin; Pronatriodilatin; Pro-ANP; Pro-Atrial Natriuretic Peptide (a.a. 1-30)

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