



Anti-NPPA (aa 1-28) polyclonal antibody (DPAB3217SH)

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

PRODUCT INFORMATION

Product Overview	Polyclonal antibody to human Atrial Natriuretic Peptide (aa 1-28)
Antigen Description	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. 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 (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.
Specificity	Synthetic human ANP (aa 1-28)
Immunogen	Synthetic human ANP (aa 1-28) poly Lysin conjugated (SLRRSSCFGGRMDRFGAQSGLGCNSFRY)
Source/Host	Sheep
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA, RIA
Concentration	20 µl / 100 µl (lyophilized). Resuspend in 20 µl / 100 µl aqua bidest.
Preservative	None
Storage	2-8 °C (lyophilized); - 20 °C (dissolved). Repeated thawing and freezing must be avoided

GENE INFORMATION

Gene Name	NPPA natriuretic peptide A [Homo sapiens]
Official Symbol	NPPA
Synonyms	NPPA; natriuretic peptide A; ANF; ANP; PND; ATFB6; CDD-ANF; atriopeptin; cardionatrin; prepronatriodilatin; natriuretic peptide precursor A; Cardiodilatin-related peptide; CDP; Atrial natriuretic factor; Atrial natriuretic peptide; OTTHUMP00000002504
Entrez Gene ID	4878
Protein Refseq	NP_006163
UniProt ID	P01160
Chromosome Location	1p36.21
Pathway	Amyloids; MicroRNAs in cardiomyocyte hypertrophy
Function	hormone activity; peptide hormone receptor binding; receptor binding