

Datasheet for ABIN7268829
anti-NPPA antibody (AA 26-151)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µL
Target:	NPPA
Binding Specificity:	AA 26-151
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NPPA antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	NPPA Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 26-151 of human NPPA (NP_006163.1).
Sequence:	NPMYNAVSNA DLMDFKNLLD HLEEKMPLED EVVPPQVLSE PNEEAGAALS PLPEVPPWTG EVSPAQRDGG ALGRGPWDSS DRSALLKSKL RALLTAPRSL RRSSCFGGRM DRIGAQSGLG CNSFRY
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

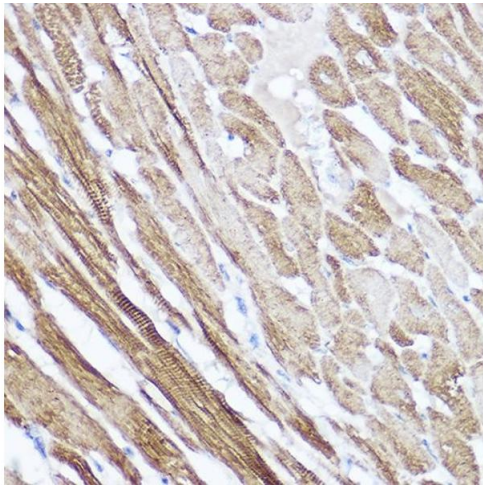
Target:	NPPA
Alternative Name:	NPPA (NPPA Products)
Background:	<p>The protein encoded by this gene belongs to the natriuretic peptide family. Natriuretic peptides are implicated in the control of extracellular fluid volume and electrolyte homeostasis. This protein is synthesized as a large precursor (containing a signal peptide), which is processed to release a peptide from the N-terminus with similarity to vasoactive peptide, cardiodilatin, and another peptide from the C-terminus with natriuretic-diuretic activity. Mutations in this gene have been associated with atrial fibrillation familial type 6. This gene is located adjacent to another member of the natriuretic family of peptides on chromosome</p> <p>1.,NPPA,ANF,ANP,ATFB6,ATRST2,CDD,CDD-ANF,CDP,PND,NPPA,Signal Transduction,Cell Biology & Developmental Biology,Growth factor,Cardiovascular,Blood,Blood Pressure regulation,Heart,Hypertrophy,NPPA</p>
Molecular Weight:	16kDa
Gene ID:	4878
UniProt:	P01160

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200
Restrictions:	For Research Use only

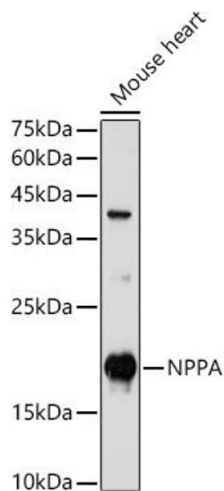
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



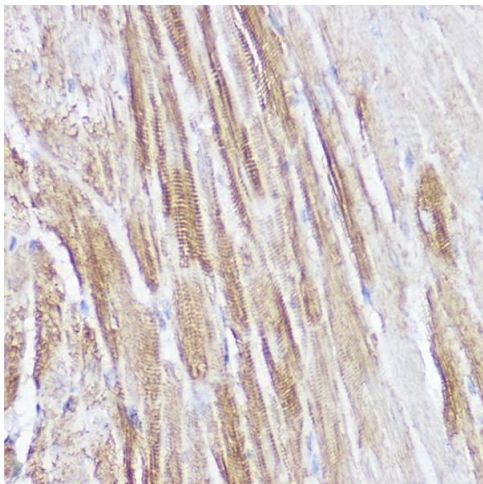
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded rat heart using NPPA Rabbit pAb (ABIN7268829) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of Mouse heart, using NPPA antibody (ABIN7268829) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 180s.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded mouse heart using NPPA Rabbit pAb (ABIN7268829) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.