

Rabbit NPPA Polyclonal Antibody | anti-NPPA antibody

NPPA Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326264	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

NPPA; Polyclonal Antibody; NPPA Antibody; ANF; ANF_HUMAN; ANP; ATFB6; Atrial natriuretic factor; Atrial natriuretic peptide; Atriopeptin; Cardiodilatin; Cardiodilatin-related peptide; Cardionatrin; CDD ANF; CDD; CDD-ANF; CDP; Natriuretic peptide A; Natriuretic peptide precursor A; PND; Prepronatriodilatin; anti-NPPA antibody

PRODUCT SPECIFICATIONS

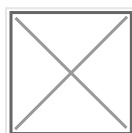
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	~1mg/ml (varies by lot)
Sequence Length	151
Applicable Applications for anti-NPPA antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human NPPA, corresponding to a region within C-terminal amino acids
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

IMAGES



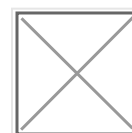
IF (Immunofluorescence)

AAA326264 staining Hela cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA326264 1:200) and mouse anti-beta tubulin Ab(1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary Ab. The nuclear counter stain is DAPI(blue).



WB (Western Blot)

Western blot analysis of extracts from mouse heart, using NPPA Ab.



IHC (Immunohistochemistry)

AAA326264 at 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary Ab at 4°C overnight. An HRP conjugated anti-Rabbit Ab was used as the secondary Ab.

ADDITIONAL INFORMATION

Related Product Information for anti-NPPA antibody	The protein encoded by this gene belong to the natriuretic peptide family . Natriuretic peptides are implicated in the control of the extracellular fluid volume and electrolyte homeostasis. This protein is synthesized as a large precursos (containing a signal peptide), which is processed to release a peptide from the N-terminus with similarity to vasoactive peptide cardiolatin, and another peptide from the C-terminus with natriuretic-diuretic activity. Mutations in this gene have been associated with atrial fibrillation familial type 6.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	23510319
NCBI GeneID	4878
NCBI Accession #	NP_006163.1
NCBI GenBank Nucleotide #	NM_006172.3
UniProt Accession #	P01160; Q13766; Q5JZE1
Molecular Weight	17 kDa
NCBI Official Full Name	natriuretic peptides A preproprotein
NCBI Official Synonym Full Names	natriuretic peptide A
NCBI Official Symbol	NPPA
NCBI Official Synonym Symbols	ANF; ANP; CDD; CDP; PND; ATFB6; ATRST2; CDD-ANF
NCBI Protein Information	natriuretic peptides A
UniProt Protein Name	Natriuretic peptides A
UniProt Gene Name	NPPA
UniProt Synonym Gene Names	ANP; PND; CDD; CDP; ANF; ANP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.