

Rabbit anti-Human NPPA Monoclonal Antibody | anti-NPPA antibody

NPPA Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282929	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

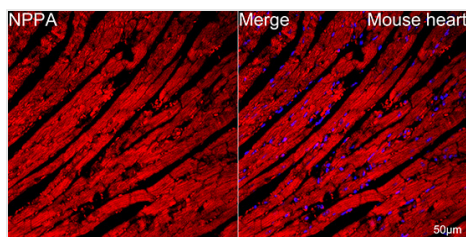
PRODUCT SYNONYMS

NPPA; Monoclonal Antibody; NPPA Rabbit mAb; ANF; ANP; CDD; CDP; PND; ATFB6; ATRST2; CDD-ANF; anti-NPPA antibody

PRODUCT SPECIFICATIONS

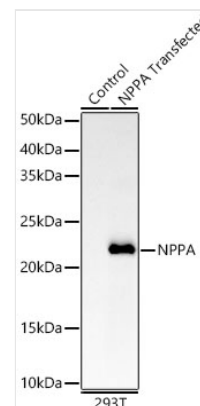
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	MSSFSTTTVS FLLLLAFQLL GQTRANPMYN AVSNADLMDF KNLLDHLEEK MPLEDEVVPP QVLSEPNEEA GAALSPLPEV PPWTGEVSPA QRDGGALGRG
Applicable Applications for anti-NPPA antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Human, Mouse
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human NPPA (NP_006163.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



ICC (Immunocytochemistry)

Confocal imaging of paraffin-embedded mouse heart using NPPA Rabbit mAb (AAA282929, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



WB (Western Blot)

Western blot analysis of lysates from wild type (WT) and 293T cells transfected with NPPA using NPPA Rabbit mAb (AAA282929) at 1:5000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti-NPPA antibody	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 1.
Product Categories/Family for anti-NPPA antibody	Signal Transduction; Cell Biology Developmental Biology; Growth factors; Cardiovascular; Blood; Heart; Hypertrophy; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	178638
NCBI GeneID	4878
UniProt Accession #	P01160; Q13766; Q5JZE1
Molecular Weight	Calculated MW: 16kDa Observed MW: 16kDa/22kDa
UniProt Protein Name	Natriuretic peptides A
UniProt Gene Name	NPPA
UniProt Synonym Gene Names	ANP; PND; CDP; ANF; ANP
UniProt Entry Name	ANF_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/nppa-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/282929>