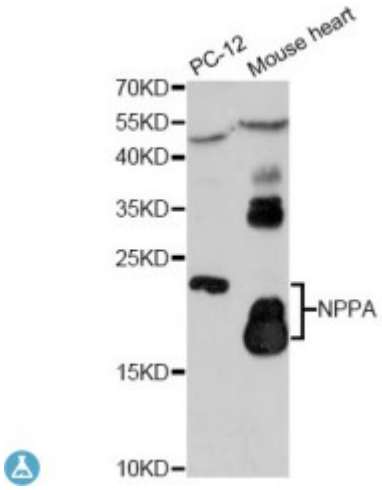
Anti-NPPA Antibody



Description	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.

Model	STJ116955
Host	Rabbit
Reactivity	Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 26-151 of human NPPA (NP_006163.1).
Gene ID	4878
Gene Symbol	NPPA
Dilution range	WB 1:500 - 1:2000
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Natriuretic peptides A CDD-ANF Cardiodilatin CDD Cardiodilatin-related peptide CDP Prepronatriodilatin

Molecular Weight	16.708 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:7939OMIM:108780Reactome:R-HSA-2032785
Alternative Names	Natriuretic peptides A CDD-ANF Cardiodilatin CDD Cardiodilatin-related peptide CDP Prepronatriodilatin
Function	Hormone playing a key role in cardiovascular homeostasis through regulation of natriuresis, diuresis, and vasodilation, Also plays a role in female pregnancy by promoting trophoblast invasion and spiral artery remodeling in uterus, Specifically binds and stimulates the cGMP production of the NPR1 receptor, Binds the clearance receptor NPR3,
Cellular Localization	Secreted
Post-translational Modifications	Cleaved by CORIN upon secretion to produce the functional hormone,