



NPPA Antibody

Product Code	CSB-RA016020A0HU
Abbreviation	Natriuretic peptides A
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P01160
Immunogen	A synthesized peptide derived from human NPPA
Species Reactivity	Human
Tested Applications	ELISA
Relevance	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.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Alias	Natriuretic peptides A, CDD-ANF, Cardiodilatin, CDD, Cardiodilatin-related peptide, CDP, Prepronatriodilatin, Atrial natriuretic factor, ANF, Atrial natriuretic peptide, ANP, NPPA, ANP, PND
Immunogen Species	Homo sapiens (Human)
Research Area	Cardiovascular
Gene Names	NPPA
Accession NO.	2E3

Description

The recombinant NPPA monoclonal antibody is produced using in vitro expression system. The expression process includes cloning the human NPPA DNA sequence into the expression vector and transfection clones into the cell line. Individual clones are screened to select the best candidates for production. This NPPA antibody shows reactivity with NPPA protein from human. It has undergone affinity-chromatography purification. And it has been tested quality in ELISA application.

NPPA is the precursor of the atrial natriuretic polypeptide (ANP), which is involved in the control of blood pressure. ANP is secreted in response to stretching of the atrial wall via Atrial volume receptors, increased Sympathetic



stimulation of β -adrenoceptors, elevated sodium concentration, and endothelin.