

Rabbit Anti-NPPC/Atrial natriuretic peptide/PE Conjugated antibody

SL1069R-PE

Product Name	Anti-NPPC/Atrial natriuretic peptide/PE
Chinese Name	PE 标记的 C 型钠利尿多肽抗体
Alias	NPPC; ANP; C type natriuretic peptide precursor; C-type natriuretic peptide; CNP-22; CNP-29; CNP-53; CNP; CNP2; Natriuretic peptide precursor C; pro-natriuretic peptide; ANFC_HUMAN; CNP-53; CNP2; Natriuretic peptide C.
Research Area	Cardiovascular Signal transduction
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Mouse(predicted:Rat)
Applications	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	14kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human proCNP (75-126aa)
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	background: Natriuretic peptides comprise a family of 3 structurally related molecules: atrial natriuretic peptide (ANP; MIM 108780), brain natriuretic peptide (BNP; MIM 600295), and C-type natriuretic peptide, CNP, encoded by a gene

symbolized NPPC. These peptides possess potent natriuretic, diuretic, and vasodilating activities and are implicated in body fluid homeostasis and blood pressure control.

Function:

Hormone which plays a role in endochondral ossification through regulation of cartilaginous growth plate chondrocytes proliferation and differentiation. May also be vasoactive and natriuretic. Specifically binds and stimulates the cGMP production of the NPR2 receptor. Binds the clearance receptor NPR3

Subcellular Location:

Secreted.

Similarity:

Belongs to the natriuretic peptide family.

Database links:

[Entrez Gene: 4880](#) Human

[Entrez Gene: 18159](#) Mouse

[Entrez Gene: 114593](#) Rat

[Omim: 600296](#) Human

[SwissProt: P23582](#) Human

[SwissProt: Q61839](#) Mouse

[SwissProt: P55207](#) Rat

[Unigene: 247916](#) Human

[Unigene: 12802](#) Mouse

[Unigene: 10637](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.