10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NPPC/Atrial natriuretic peptide Rabbit pAb

Catalog # AP98295

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P23582
Other Accession	P23582
Reactivity	Human, Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	13246
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human proCNP
Epitope Specificity	103-126/126
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the natriuretic peptide family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	bs-1069P is one synthetic peptide derived from human proCNP. 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.

Additional Information

Gene ID	4880
Other Names	CNP; CNP2; Ibab; ANFC_HUMAN; NPPC; ANFC_MOUSE; ANFC_RAT; natriuretic peptide C; natriuretic peptide precursor C
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	NPPC

Synonyms	CNP2
Function	[CNP-22]: Hormone which plays a role in endochondral ossification through regulation of cartilaginous growth plate chondrocytes proliferation and differentiation (By similarity). May also be vasoactive and natriuretic (PubMed:1672777). Acts by specifically binding and stimulating NPR2 to produce cGMP (PubMed:1672777, PubMed:21098034). Binds the clearance receptor NPR3 (PubMed:11533490).
Cellular Location	Secreted.
Tissue Location	[CNP-22]: In the kidney, predominantly expressed in the distal tubular cells (at protein level)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.