

NPPC Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP14031b**Specification**

NPPC Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [P23582](#)**NPPC Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 4880**Other Names**

C-type natriuretic peptide, CNP-22, CNP-29, CNP-53, NPPC, CNP2

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP14031b was selected from the C-term region of NPPC. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

NPPC Antibody (C-term) Blocking peptide - 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](http://www.uniprot.org/citations/1672777)). Acts by specifically binding and stimulating NPR2 to produce cGMP (PubMed: [1672777](http://www.uniprot.org/citations/1672777), PubMed: [21098034](http://www.uniprot.org/citations/21098034)). Binds the clearance receptor NPR3 (PubMed: [11533490](http://www.uniprot.org/citations/11533490)).

Cellular Location

Secreted.

Tissue Location

[CNP-22]: In the kidney, predominantly expressed in the distal tubular cells (at protein level)

NPPC Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

NPPC Antibody (C-term) Blocking peptide - Images**NPPC Antibody (C-term) Blocking peptide - 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.

NPPC Antibody (C-term) Blocking peptide - References

Lippert, S.K., et al. J. Immunol. Methods 362 (1-2), 32-37 (2010) :Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Saus, E., et al. J Psychiatr Res 44(14):971-978(2010) Wang, Y., et al. J. Cardiovasc. Pharmacol. 55(1):62-66(2010) Cammarata, P.R., et al. Mol. Vis. 16, 630-638 (2010) :