10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

Natriuretic Peptide Receptor C Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP8113a

Specification

Natriuretic Peptide Receptor C Antibody (N-term) Blocking peptide - Product Information

Primary Accession P17342

Natriuretic Peptide Receptor C Antibody (N-term) Blocking peptide - Additional Information

Gene ID 4883

Other Names
Atrial natriuretic peptide receptor 3, Atrial natriuretic peptide clearance receptor, Atrial natriuretic peptide receptor type C, ANP-C, ANPR-C, NPR-C, NPR3, ANPRC, C5orf23, NPRC

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP8113a was selected from the N-term region of human ANPC . 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.

Natriuretic Peptide Receptor C Antibody (N-term) Blocking peptide - Protein Information

Name NPR3

Synonyms ANPRC, C5orf23, NPRC

Function
Receptor for the natriuretic peptide hormones, binding with similar affinities atrial natriuretic peptide NPPA/ANP, brain natriuretic peptide NPPB/BNP, and C-type natriuretic peptide NPPC/CNP. May function as a clearance receptor for NPPA, NPPB and NPPC, regulating their local concentrations and effects. Acts as a regulator of osteoblast differentiation and bone growth by binding to its ligand osteocrin, thereby preventing binding between NPR3/NPR-C and natriuretic peptides, leading to increase cGMP production (By similarity).

Cellular Location

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Cell membrane; Single-pass type I membrane protein

Natriuretic Peptide Receptor C Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

Natriuretic Peptide Receptor C Antibody (N-term) Blocking peptide - Images

Natriuretic Peptide Receptor C Antibody (N-term) Blocking peptide - Background

ANPC is a receptor for atrial natriuretic peptide. It does not exhibit guanylate cyclase activity. There seem to be at least three ANP receptors: two with guanylate cyclase activity (ANPA and ANPB) and one (ANPC) which is probably responsible for the clearance of ANP from the circulation without a role in signal transduction.

Natriuretic Peptide Receptor C Antibody (N-term) Blocking peptide - References

Porter, J.G., et al., Biochem. Biophys. Res. Commun. 171(2):796-803 (1990).Lowe, D.G., et al., Nucleic Acids Res. 18 (11), 3412 (1990).