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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. May regulate diuresis, blood pressure and skeletal development. Does not have guanylate cyclase activity.

Cellular Location
Cell membrane; Single-pass type I membrane protein

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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).