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REN Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP5104a

Specification

REN Antibody (N-term) Blocking Peptide - Product Information

Primary Accession P00797

REN Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 5972

Other Names
Renin, Angiotensinogenase, REN

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.

REN Antibody (N-term) Blocking Peptide - Protein Information

Name REN

Function
Renin is a highly specific endopeptidase, whose only known function is to generate angiotensin I from angiotensinogen in the plasma, initiating a cascade of reactions that produce an elevation of blood pressure and increased sodium retention by the kidney.

Cellular Location
Secreted. Membrane. Note=Associated to membranes via binding to ATP6AP2.

REN Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

REN Antibody (N-term) Blocking Peptide - Images

REN Antibody (N-term) Blocking Peptide - Background

Renin catalyzes the first step in the activation pathway of angiotensinogen--a cascade that can result in aldosterone release,vasoconstriction, and increase in blood pressure. Renin, an aspartyl protease, cleaves angiotensinogen to form angiotensin I, which is converted to angiotensin II by angiotensin I converting enzyme, an important regulator of blood pressure and electrolyte balance.

REN Antibody (N-term) Blocking Peptide - References

Vangjeli, C., et al. Circ Cardiovasc Genet 3(1):53-59(2010)Wilke, R.A., et al. Pharmacogenomics 10(11):1789-1797(2009)Chen, S., et al. Am. J. Physiol. Regul. Integr. Comp. Physiol. 297 (5), R1526-R1531 (2009)