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PCSK2 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP7617c

Specification

PCSK2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession P16519

PCSK2 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 5126

Other Names
Neuroendocrine convertase 2, NEC 2, KEX2-like endoprotease 2, Prohormone convertase 2, Proprotein convertase 2, PC2, PCSK2, NEC2

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7617c was selected from the Center region of human PCSK2. 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.

PCSK2 Antibody (Center) Blocking Peptide - Protein Information

Name PCSK2

Synonyms NEC2

Function
Serine endopeptidase which is involved in the processing of hormone and other protein precursors at sites comprised of pairs of basic amino acid residues. Responsible for the release of glucagon from proglucagon in pancreatic A cells.

Cellular Location
Cytoplasmic vesicle, secretory vesicle. Secreted. Note=Localized in the secretion granules

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PCSK2 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

PCSK2 Antibody (Center) Blocking Peptide - Images

PCSK2 Antibody (Center) Blocking Peptide - Background

PCSK2 belongs to the subtilisin-like proprotein convertase family. The members of this family are proprotein convertases that process latent precursor proteins into their biologically active products. This protein is a proinsulin-processing enzyme that plays a key role in regulating insulin biosynthesis. The protein is also known to cleave proopiomelanocortin, proenkephalin, prodynorphin and proluteinizing-hormone-releasing hormone.

PCSK2 Antibody (Center) Blocking Peptide - References

Leak,T.S., Keene,K.L. Mol. Genet. Metab. 92 (1-2), 145-150 (2007)Shen,X., Li,Q.L. Am. J. Physiol. Endocrinol. Metab. 288 (1), E236-E245 (2005)Tzimas,G.N., Chevet,E. BMC Cancer 5, 149 (2005)Seidah,N.G., Mattei,M.G. Genomics 11 (1), 103-107 (1991)