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PRSS8 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP14207c

Specification

PRSS8 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q16651

PRSS8 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 5652

Other Names
Prostasin, 3421-, Channel-activating protease 1, CAP1, Serine protease 8, Prostasin light chain, Prostasin heavy chain, PRSS8

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.

PRSS8 Antibody (Center) Blocking Peptide - Protein Information

Name PRSS8

Function
Possesses a trypsin-like cleavage specificity with a preference for poly-basic substrates. Stimulates epithelial sodium channel (ENaC) activity through activating cleavage of the gamma subunits (SCNN1G).

Cellular Location
[Prostasin]: Cell membrane; Single-pass membrane protein [Prostasin heavy chain]: Secreted, extracellular space. Note=Found in the seminal fluid. Secreted after cleavage of its C-terminus

Tissue Location
Found in prostate, liver, salivary gland, kidney, lung, pancreas, colon, bronchus and renal proximal tubular cells. In the prostate gland it may be synthesized in epithelial cells, secreted into the ducts, and excreted into the seminal fluid

PRSS8 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

PRSS8 Antibody (Center) Blocking Peptide - Images

PRSS8 Antibody (Center) Blocking Peptide - Background

This gene encodes a trypsinogen, which is a member of thetrypsin family of serine proteases. This enzyme is highly expressedin prostate epithelia and is one of several proteolytic enzymesfound in seminal fluid. The proprotein is cleaved to produce alight chain and a heavy chain which are associated by a disulfidebond. It is active on peptide linkages involving the carboxyl groupof lysine or arginine.

PRSS8 Antibody (Center) Blocking Peptide - References

Chen, Y.W., et al. J. Biol. Chem. 285(41):31755-31762(2010)Chen, M., et al. Mol. Cell. Biochem. 337 (1-2), 259-266 (2010) :Fu, Y.Y., et al. Hum. Reprod. 25(3):623-632(2010)Ko, T., et al. J. Biomed. Biotechnol. 2010, 793843 (2010) :Chang, J.H., et al. Zhongguo Yi Xue Ke Xue Yuan Xue Bao 31(6):712-719(2009)