

PRSS8 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP14207c**Specification**

PRSS8 Antibody (Center) Blocking Peptide - Product InformationPrimary 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

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 the trypsin family of serine proteases. This enzyme is highly expressed in prostate epithelia and is one of several proteolytic enzymes found in seminal fluid. The proprotein is cleaved to produce a light chain and a heavy chain which are associated by a disulfide bond. It is active on peptide linkages involving the carboxyl group of 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)