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PRSS7 Antibody (C-term E979) Blocking peptide

Synthetic peptide
Catalog # BP12255b

Specification

PRSS7 Antibody (C-term E979) Blocking peptide - Product Information

Primary Accession P98073

PRSS7 Antibody (C-term E979) Blocking peptide - Additional Information

Gene ID 5651

Other Names
Enteropeptidase, Enterokinase, Serine protease 7, Transmembrane protease serine 15, Enteropeptidase non-catalytic heavy chain, Enteropeptidase catalytic light chain, TMPRSS15, ENTK, PRSS7

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.

PRSS7 Antibody (C-term E979) Blocking peptide - Protein Information

Name TMPRSS15

Synonyms ENTK, PRSS7

Function
Responsible for initiating activation of pancreatic proteolytic proenzymes (trypsin, chymotrypsin and carboxypeptidase A). It catalyzes the conversion of trypsinogen to trypsin which in turn activates other proenzymes including chymotrypsinogen, procarboxypeptidases, and proelastases.

Cellular Location
Membrane; Single-pass type II membrane protein

Tissue Location
Intestinal brush border.

PRSS7 Antibody (C-term E979) Blocking peptide - Protocols

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

- Blocking Peptides

PRSS7 Antibody (C-term E979) Blocking peptide - Images

PRSS7 Antibody (C-term E979) Blocking peptide - Background

This gene encodes an enzyme that converts the pancreaticproenzyme trypsinogen to trypsin, which activates other proenzymesincluding chymotrypsinogen and procarboxypeptidases. The precursorprotein is cleaved into two chains that form a heterodimer linkedby a disulfide bond. This protein is a member of the trypsin familyof peptidases. Mutations in this gene cause enterokinasedeficiency, a malabsorption disorder characterized by diarrhea andfailure to thrive.

PRSS7 Antibody (C-term E979) Blocking peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Nakanishi, J., et al. J. Invest. Dermatol. 130(4):944-952(2010)Vilen, S.T., et al. Exp. Cell Res. 314(4):914-926(2008)Imamura, T., et al. Am. J. Physiol. Gastrointest. Liver Physiol. 285 (6), G1235-G1241 (2003) :Holzinger, A., et al. Am. J. Hum. Genet. 70(1):20-25(2002)