

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

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 pancreatic proenzyme trypsinogen to trypsin, which activates other proenzymes including chymotrypsinogen and procarboxypeptidases. The precursor protein is cleaved into two chains that form a heterodimer linked by a disulfide bond. This protein is a member of the trypsin family of peptidases. Mutations in this gene cause enterokinase deficiency, a malabsorption disorder characterized by diarrhea and failure 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)