

**PRSS1 Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP10735c**

**Specification**

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**PRSS1 Antibody (Center) Blocking peptide - Product Information**

Primary Accession [P07477](#)

**PRSS1 Antibody (Center) Blocking peptide - Additional Information**

**Gene ID** 5644

**Other Names**

Trypsin-1, Beta-trypsin, Cationic trypsinogen, Serine protease 1, Trypsin I, Alpha-trypsin chain 1, Alpha-trypsin chain 2, PRSS1, TRP1, TRY1, TRYP1

**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.

**PRSS1 Antibody (Center) Blocking peptide - Protein Information**

**Name** PRSS1 ([HGNC:9475](#))

**Function**

Has activity against the synthetic substrates Boc-Phe-Ser- Arg-Mec, Boc-Leu-Thr-Arg-Mec, Boc-Gln-Ala-Arg-Mec and Boc-Val-Pro-Arg- Mec. The single-chain form is more active than the two-chain form against all of these substrates.

**Cellular Location**

Secreted, extracellular space.

**PRSS1 Antibody (Center) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**PRSS1 Antibody (Center) Blocking peptide - Images**

**PRSS1 Antibody (Center) Blocking peptide - Background**

This gene encodes a trypsinogen, which is a member of the trypsin family of serine proteases. This enzyme is secreted by the pancreas and cleaved to its active form in the small intestine. It is active on peptide linkages involving the carboxyl group of lysine or arginine. Mutations in this gene are associated with hereditary pancreatitis. This gene and several other trypsinogen genes are localized to the T cell receptor beta locus on chromosome 7.

#### **PRSS1 Antibody (Center) Blocking peptide - References**

Joergensen, M.T., et al. Am. J. Gastroenterol. 105(8):1876-1883(2010) Gasiorowska, A., et al. Dig. Dis. Sci. (2010) In press : Szmola, R., et al. J. Med. Genet. 47(5):348-350(2010) Nakanuma, S., et al. Int. J. Oncol. 36(4):793-800(2010) Johansen, D., et al. Pancreatology 10 (2-3), 229-237 (2010) :