PRSS1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PRSS1, Polyclonal Antibody
Full Product Name	PRSS1 Antibody, Biotin conjugated
Product Gene Name	anti-PRSS1 antibody
Product Synonym Names	Trypsin-1; Beta-trypsin; Cationic trypsinogen; Serine protease 1; Trypsin I; Alpha-trypsin chain 1; Alpha-trypsin chain 2; PRSS1; TRP1; TRY1; TRYP1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: PRSS1 (MBS7052549) Biotin Conjugated Antibody: PRSS1 (MBS7052552)
Molecular Weight	26,558 Da
OMIM	M22612 mRNA
3D Structure	ModBase 3D Structure for P07477
Immunogen	Recombinant Human Trypsin-1 protein (104-206AA)
Conjugation	Biotin
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PRSS1 antibody	ELISA (EIA)
Related Product Information for anti-PRSS1 antibody	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.
Other Notes	Small volumes of anti-PRSS1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PRSS1 purchase	MBS7052552 is an antibody targeting PRSS1. Also known as PRSS1 Antibody, Biotin conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PRSS1. It may not necessarily be applicable to this product.

NCBI GI #	4506145
NCBI GeneID	5644
NCBI Accession #	NP_002760.1
UniProt Primary Accession #	P07477
UniProt Secondary Accession #	Q5NV57; Q7M4N3; Q7M4N4; Q92955; Q9HAN4; Q9HAN5; Q9HAN6; Q9HAN7; A1A509; A6NJ71; B2R5I5
UniProt Related Accession #	P07477
GenBank Nucleotide #	NM_002769.4
NCBI Official Full Name	trypsin-1 preproprotein
NCBI Official Synonym Full Names	protease, serine 1
NCBI Official Symbol	PRSS1
NCBI Official Synonym Symbols	TRP1; TRY1; TRY4; TRYP1
UniProt Protein Name	Trypsin-1
UniProt Synonym Protein Names	Beta-trypsin; Cationic trypsinogen; Serine protease 1; Trypsin I
Protein Family	Anionic trypsin
UniProt Gene Name	PRSS1
UniProt Synonym Gene Names	TRP1; TRY1; TRYP1
NCBI Protein Information	trypsin-1
NCBI Summary for PRSS1	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. [provided by RefSeq, Jul 2008]
Research Articles on PRSS1	**1.** Mutations were found at the promoter and exon 3 of the PRSS1 in patients with pancreatic cancer. That is, five patients had c.410 C > T mutation causing p.Thr 137 Met, and three patients had c. -338 T >G mutation at the promoter of the PRSS1. In patients with PRSS1 mutations, serum trypsin was significantly higher than that in normal controls
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