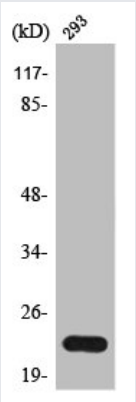
PRSS1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PRSS1, Polyclonal Antibody
Full Product Name	PRSS1 Antibody
Product Gene Name	anti-PRSS1 antibody
Product Synonym Names	PRSS1; TRP1; TRY1; TRYP1; Trypsin-1; Beta-trypsin; Cationic trypsinogen; Serine protease 1; Trypsin I
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid; In Phosphate Buffered Saline, 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	26,558 Da
OMIM	167800
3D Structure	ModBase 3D Structure for P07477
Immunogen	Synthesized peptide derived from the Internal region of human Trypsin-1.
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-PRSS1 antibody	Cell Biology
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PRSS1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-PRSS1 antibody	WB: 1:500-1:2000 ELISA: 1:10000
Related Product Information for anti-PRSS1 antibody	MBS7117191 is an antibody targeting PRSS1. Also known as PRSS1 Antibody. Reactive in Human. Host: Rabbit.
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.



Western Blot (WB) of anti-PRSS1 antibody
Western Blot analysis of 293 cells using Trypsin-1 Polyclonal Antibody

ADDITIONAL DETAILS

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

NCBI GI #	136408
NCBI GeneID	5644
NCBI Accession #	P07477.1
UniProt Primary Accession #	P07477
UniProt Secondary Accession #	Q5NV57; Q7M4N3; Q7M4N4; Q92955; Q9HAN4; Q9HAN5; Q9HAN6; Q9HAN7; A1A509; A6NJ71; B2R5I5
UniProt Related Accession #	P07477
NCBI Official Full Name	Trypsin-1
NCBI Official Synonym Full Names	protease, serine, 1 (trypsin 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
UniProt Entry Name	TRY1_HUMAN
NCBI Protein Information	trypsin-1; beta-trypsin; trypsinogen 1; trypsinogen A; digestive zymogen; cationic trypsinogen; nonfunctional 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]

UniProt Comments for PRSS1	trypsin 1: 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. Defects in PRSS1 are a cause of pancreatitis (PCTT). A disease characterized by the presence of calculi in pancreatic ducts. It causes severe abdominal pain attacks. Belongs to the peptidase S1 family. Protein type: Protease; Secreted, signal peptide; Secreted; EC 3.4.21.4 Chromosomal Location of Human Ortholog: 7q34 Cellular Component: extracellular region Molecular Function: metal ion binding; serine-type endopeptidase activity Biological Process: extracellular matrix disassembly; extracellular matrix organization and biogenesis; vitamin metabolic process; cobalamin metabolic process; digestion; proteolysis; water-soluble vitamin metabolic process Disease: Trypsinogen Deficiency; Pancreatitis, Hereditary
Research Articles on PRSS1	**1.** the p.N43S mutation in the SPINK1 gene, accelerated the onset of HP in the presence of the p.R122H mutation in the CT gene.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/prss1/7117191