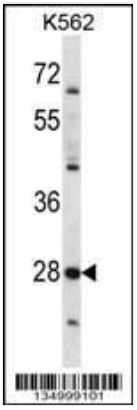
PRSS27 Antibody – Rabbit Polyclonal

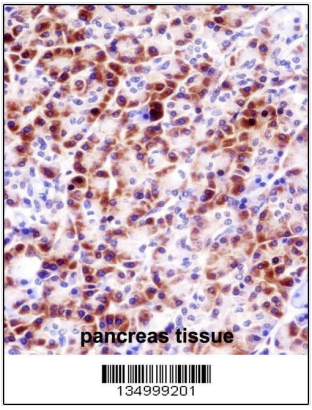
PRODUCT OVERVIEW

Product Name	PRSS27, Polyclonal Antibody
Full Product Name	PRSS27, CT (PRSS27, MPN, Serine protease 27, Marapsin, Pancreasin) (AP)
Product Gene Name	anti-PRSS27 antibody
Product Synonym Names	PRSS27; MPN; Serine protease 27; Marapsin; Pancreasin
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	31,940 Da
Chromosome Location	Chromosome: 16; NC_000016.10 (2712422..2720551, complement). Location: 16p13.3
OMIM	608018
3D Structure	ModBase 3D Structure for Q9BQR3
Immunogen	PRSS27 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 181-211 amino acids from the C-terminal region of human PRSS27.
Conjugate	AP
Note	Preservative Free
Product Categories/Family for anti-PRSS27 antibody	Antibodies; Enzymes; Protease (Proteinase; Peptidase)
Applications Tested/Suitable for anti-PRSS27 antibody	Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB)
Application Notes for anti-PRSS27 antibody	IHC: 1:10-50 ELISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-PRSS27 antibody	Pancreasin is a pancreatic tryptic serine peptidase that cleaves peptides after an arginine residue.
Product References and Citations for anti-PRSS27 antibody	Li, W., et al. J. Biol. Chem. 284(1):218-228(2009). Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003). Bhagwandin, V.J., et al. J. Biol. Chem. 278(5):3363-3371(2003). Bhagwandin, V.J., et al. J Biol Chem 278(5):3363-3371(2003).
Other Notes	Small volumes of anti-PRSS27 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 PRSS27 purchase	MBS6337919 is an antibody targeting PRSS27. Also known as PRSS27, CT (PRSS27, MPN, Serine protease 27, Marapsin, Pancreasin) (AP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-PRSS27 antibody
PRSS27 Antibody (C-term) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the PRSS27 antibody detected the PRSS27 protein (arrow).



Immunohistochemistry (IHC) of anti-PRSS27 antibody
PRSS27 Antibody (C-term) (AP14860b)immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of PRSS27 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PRSS27. It may not necessarily be applicable to this product.

NCBI GI #	13994276
NCBI GeneID	83886
NCBI Accession #	NP_114154.1
UniProt Primary Accession #	Q9BQR3
UniProt Related Accession #	Q9BQR3
GenBank Nucleotide #	NM_031948.3
NCBI Official Full Name	serine protease 27
NCBI Official Synonym Full Names	protease, serine 27
NCBI Official Symbol	PRSS27
NCBI Official Synonym Symbols	MPN; CAPH2
UniProt Protein Name	Serine protease 27
UniProt Synonym Protein Names	Marapsin; Pancreasin
Protein Family	Serine protease
UniProt Gene Name	PRSS27
UniProt Synonym Gene Names	MPN
UniProt Entry Name	PRS27_HUMAN
NCBI Protein Information	serine protease 27; marapsin; pancreasin; channel-activating protease 2
UniProt Comments for PRSS27	PRSS27: Belongs to the peptidase S1 family Protein type: EC 3.4.21.-; Secreted, signal peptide; Secreted; Protease Chromosomal Location of Human Ortholog: 16p13.3

Research Articles on PRSS27	**1.** Mutational tail loss is an evolutionary mechanism for liberating marapsins and other type I serine proteases from transmembrane anchors.
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.
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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.

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Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/prss27/6337919