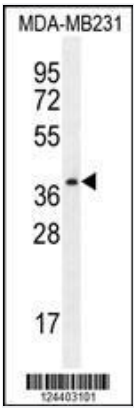
PRSS3 Antibody – Rabbit Polyclonal

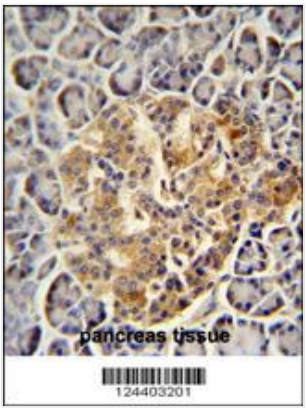
PRODUCT OVERVIEW

Product Name	PRSS3, Polyclonal Antibody
Full Product Name	PRSS3, NT (PRSS3, PRSS4, TRY3, TRY4, Trypsin-3, Brain trypsinogen, Mesotrypsinogen, Serine protease 3, Serine protease 4, Trypsin III, Trypsin IV) (FITC)
Product Gene Name	anti-PRSS3 antibody
Product Synonym Names	PRSS3; PRSS4; TRY3; TRY4; Trypsin-3; Brain trypsinogen; Mesotrypsinogen; Serine protease 3; Serine protease 4; Trypsin III; Trypsin IV
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 Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	32,529 Da
Chromosome Location	Chromosome: 9; NC_000009.11 (33750464..33799229). Location: 9p11.2
OMIM	613578
3D Structure	ModBase 3D Structure for P35030
Immunogen	PRSS3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 20-48 amino acids from the N-terminal region of human PRSS3.
Conjugate	FITC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-PRSS3 antibody	Antibodies; Enzymes; Protease (Proteinase; Peptidase)
Applications Tested/Suitable for anti-PRSS3 antibody	Flow Cytometry (FC/FACS), FLISA, Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-PRSS3 antibody	FC/FACS: 1:10-50 FLISA: 1:1,000 IHC: 1:50-100 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-PRSS3 antibody	PRSS3 encodes a trypsinogen, which is a member of the trypsin family of serine proteases. This enzyme is expressed in the brain and pancreas and is resistant to common trypsin inhibitors. It is active on peptide linkages involving the carboxyl group of lysine or arginine. PRSS3 is localized to the locus of T cell receptor beta variable orphans on chromosome 9. Four transcript variants encoding different isoforms have been described for this gene.

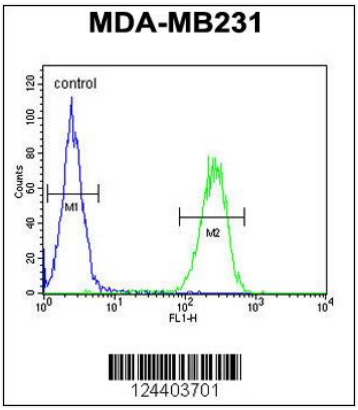
Product References and Citations for anti-PRSS3 antibody	Jiang, G., et al. Gut 59(11):1535-1544(2010). Nakanishi, J., et al. J. Invest. Dermatol. 130(4):944-952(2010). Salameh, M.A., et al. J. Biol. Chem. 285(3):1939-1949(2010). Rosendahl, J., et al. Pancreatology 10 (2-3), 243-249 (2010): Koistinen, H., et al. Neuroscience 160(1):97-102(2009).
Other Notes	Small volumes of anti-PRSS3 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 PRSS3 purchase	MBS6337944 is an antibody targeting PRSS3. Also known as PRSS3, NT (PRSS3, PRSS4, TRY3, TRY4, Trypsin-3, Brain trypsinogen, Mesotrypsinogen, Serine protease 3, Serine protease 4, Trypsin III, Trypsin IV) (FITC). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-PRSS3 antibody
PRSS3 Antibody (N-term) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the PRSS3 antibody detected the PRSS3 protein (arrow).



Immunohistochemistry (IHC) of anti-PRSS3 antibody
PRSS3 antibody (N-term) 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 the PRSS3 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Flow Cytometry (FC/FACS) of anti-PRSS3 antibody
PRSS3 Antibody (N-term) flow cytometric analysis of MDA-MB231 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PRSS3. It may not necessarily be applicable to this product.

NCBI GI #	21536452
NCBI GeneID	5646
NCBI Accession #	NP_002762.2
UniProt Primary Accession #	P35030
UniProt Secondary Accession #	P15951; Q15665; Q5VXV0; Q9UQV3; A8CED1; A9Z1Y4; E7ES07
UniProt Related Accession #	P35030

GenBank Nucleotide #	NM_002771.3
NCBI Official Full Name	trypsin-3 isoform 2 preproprotein
NCBI Official Synonym Full Names	protease, serine, 3
NCBI Official Symbol	PRSS3
NCBI Official Synonym Symbols	T9; MTG; TRY3; TRY4; PRSS4
UniProt Protein Name	Trypsin-3
UniProt Synonym Protein Names	Brain trypsinogen; Mesotrypsinogen; Serine protease 3; Serine protease 4; Trypsin III; Trypsin IV
UniProt Gene Name	PRSS3
UniProt Synonym Gene Names	PRSS4; TRY3; TRY4
UniProt Entry Name	TRY3_HUMAN
NCBI Protein Information	trypsin-3; trypsin IV; mesotrypsin; trypsin III; trypsinogen 4; trypsinogen 5; trypsinogen IV; mesotrypsinogen; brain trypsinogen; pancreatic trypsinogen III; protease, serine, 4 (trypsin 4, brain)
UniProt Comments for PRSS3	Digestive protease specialized for the degradation of trypsin inhibitors. In the ileum, may be involved in defensin processing, including DEFA5.
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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