Protease, Serine 2 (PRSS2) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Protease, Serine 2 (PRSS2), Polyclonal Antibody
Full Product Name	APC_Cy7 Linked Polyclonal Antibody to Protease, Serine 2 (PRSS2)
Product Gene Name	anti-PRSS2 antibody
Product Synonym Names	PRSS2/Protease, Serine 2; TRY2; Trypsin 2; Serine Endopeptidases; Anionic trypsinogen
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse, Rat
Form/Format	Liquid; 0.01M PBS, pH7.4, containing 0.05% Proclin300, 50% glycerol.
Purity/Purification	Antigenspecific affinity chromatography followed by Protein A affinity chromatography
Concentration	>=0.1mg/mL (Please refer to the vial label for the specific concentration.) (lot specific)
Specificity	The antibody is a rabbit polyclonal antibody raised against PRSS2. It has been selected for its ability to recognize PRSS2 in immunohistochemical staining and western blotting.
Preparation and Storage	Store at 2 degree C to 8 degree C for frequent use, 20 degree C for 24 months The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Matching Pairs	Unconjugated Antibody: PRSS2 (MBS2139598) APC-CY7 Conjugated Antibody: PRSS2 (MBS2133285)
Molecular Weight	26,204 Da
3D Structure	ModBase 3D Structure for P07146
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen Type	Prokaryotic Recombinant proteins/RP
Sequence of Immunogen	Thr29~Gln240
Conjugation	APC Cy7
Product Categories/Family for anti-PRSS2 antibody	Enzyme & Kinase; Primary, APC/Cy12623 labeled
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-PRSS2 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)
Application Notes for anti-PRSS2 antibody	WB: 0.52ug/mL IHC: 520ug/mL ICC: 520ug/mL
Related Product Information for anti-PRSS2 antibody	MBS2133285 is an antibody targeting PRSS2. Also known as APC_Cy7 Linked Polyclonal Antibody to Protease, Serine 2 (PRSS2). Reactive in Mouse, Rat. Host: Rabbit.

Other Notes	Small volumes of anti-PRSS2 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PRSS2. It may not necessarily be applicable to this product.

NCBI GI #	6678439
NCBI GeneID	22072
NCBI Accession #	NP_033456.1
UniProt Primary Accession #	P07146
UniProt Related Accession #	P07146
GenBank Nucleotide #	NM_009430.2
NCBI Official Full Name	anionic trypsin-2
NCBI Official Synonym Full Names	protease, serine 2
NCBI Official Symbol	Prss2
NCBI Official Synonym Symbols	Ta; TRY8; TRYP; Try2; Tesp4
UniProt Protein Name	Anionic trypsin-2
UniProt Synonym Protein Names	Anionic trypsin II; Pretrypsinogen II; Serine protease 2
Protein Family	Anionic trypsin
UniProt Gene Name	Prss2
UniProt Synonym Gene Names	Try2
NCBI Protein Information	anionic trypsin-2
UniProt Comments for PRSS2	trypsin 2: In the ileum, may be involved in defensin processing, including DEFA5. Belongs to the peptidase S1 family. Protein type: Calcium-binding; Cell adhesion; EC 3.4.21.4; Extracellular matrix; Protease; Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 6|6 B1 Cellular Component: extracellular region; extracellular space Molecular Function: calcium ion binding; hydrolase activity; metal ion binding; peptidase activity; serine-type endopeptidase activity; serine-type peptidase activity Biological Process: collagen catabolic process; digestion; proteolysis; response to caffeine; response to nicotine
Research Articles on PRSS2	**1.** up-regulation of trypsins is one of the key host pathological findings in influenza A-induced myocarditis
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