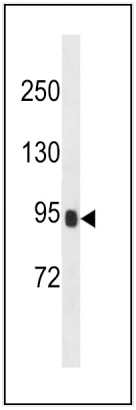
PRSS36 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PRSS36, Polyclonal Antibody
Full Product Name	PRSS36 Antibody (Center)
Product Gene Name	anti-PRSS36 antibody
Product Synonym Names	Polyserase-2; 3421-; Polyserine protease 2; Serine protease 36; PRSS36
Clonality	Polyclonal
Isotype	Rabbit Ig
Host	Rabbit
Species Reactivity	Human
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Concentration	Vial Concentration: 0.5 (lot specific)
Specificity	This PRSS36 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 288-317 amino acids from the Central region of human PRSS36.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	PRSS36 peptide (MBS9228649) is used for blocking the activity of PRSS36 antibody (MBS9215068)
Molecular Weight	91955
Immunogen Sequence Positions	288-317
OMIM	610560
3D Structure	ModBase 3D Structure for Q5K4E3
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Product Categories/Family for anti-PRSS36 antibody	Cell Biology
Applications Tested/Suitable for anti-PRSS36 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-PRSS36 antibody	WB~~1:1000
Related Product Information for anti-PRSS36 antibody	Serine protease. Hydrolyzes the peptides N-t-Boc-Gln-Ala-Arg-AMC and N-t-Boc-Gln-Gly-Arg-AMC and, to a lesser extent, N-t-Boc-Ala-Phe-Lys-AMC and N-t-Boc-Val-Leu-Lys-AMC. Has a preference for substrates with an Arg instead of a Lys residue in position P1.
Product References and Citations for anti-PRSS36 antibody	Oh, J.H., et al. Mamm. Genome 16(12):942-954(2005) Cal, S., et al. J. Biol. Chem. 280(3):1953-1961(2005)

Other Notes	Small volumes of anti-PRSS36 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 PRSS36 purchase	MBS9215068 is an antibody targeting PRSS36. Also known as PRSS36 Antibody (Center). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-PRSS36 antibody
PRSS36 Antibody (Center) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the PRSS36 antibody detected the PRSS36 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PRSS36. It may not necessarily be applicable to this product.

NCBI GI #	385137133
NCBI GeneID	146547
NCBI Accession #	NP_001245219.1
NCBI Related Accession #	NP_001245220.1; NP_775773.2
UniProt Primary Accession #	Q5K4E3
UniProt Secondary Accession #	Q8NBY4; A8K2P5; B4DW80; B7ZMK8; E7EX56
UniProt Related Accession #	Q5K4E3
GenBank Nucleotide #	NM_001258290.1
NCBI Official Full Name	polyserase-2 isoform 2
NCBI Official Synonym Full Names	protease, serine, 36
NCBI Official Symbol	PRSS36
UniProt Protein Name	Polyserase-2
UniProt Synonym Protein Names	Polyserine protease 2; Serine protease 36
Protein Family	Polyserase
UniProt Gene Name	PRSS36
UniProt Entry Name	POLS2_HUMAN
NCBI Protein Information	polyserase-2

UniProt Comments for PRSS36	PRSS36: Serine protease. Hydrolyzes the peptides N-t-Boc-Gln- Ala-Arg-AMC and N-t-Boc-Gln-Gly-Arg-AMC and, to a lesser extent, N-t-Boc-Ala-Phe-Lys-AMC and N-t-Boc-Val-Leu-Lys-AMC. Has a preference for substrates with an Arg instead of a Lys residue in position P1. Belongs to the peptidase S1 family. Protein type: EC 3.4.21.-; Protease; Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 16p11.2 Cellular Component: proteinaceous extracellular matrix; cytoplasm Molecular Function: serine-type endopeptidase activity Biological Process: proteolysis
Research Articles on PRSS36	**1.** analysis of post-translational processing mechanisms of polyserase-2 revealed that this novel polyprotein is a secreted enzyme whose three protease domains remain as an integral part of a single polypeptide chain
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