PRTN3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PRTN3, Polyclonal Antibody
Full Product Name	PRTN3 Antibody, Biotin conjugated
Product Gene Name	anti-PRTN3 antibody
Product Synonym Names	Myeloblastin; AGP7; C-ANCA antigen; Leukocyte proteinase 3; PR-3; PR3; Neutrophil proteinase 4; NP-4; P29; Wegener autoantigen; PRTN3; MBN
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: PRTN3 (MBS7105057) Biotin Conjugated Antibody: PRTN3 (MBS7105060)
Molecular Weight	27,807 Da
OMIM	M75154 mRNA
3D Structure	ModBase 3D Structure for P24158
Immunogen	Recombinant Human Myeloblastin protein (1-170AA)
Conjugation	Biotin
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Product Categories/Family for anti-PRTN3 antibody	Signal Transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PRTN3 antibody	ELISA (EIA)
Related Product Information for anti-PRTN3 antibody	Polymorphonuclear leukocyte serine protease that degrades elastin, fibronectin, laminin, vitronectin, and collagen types I, III, and IV (in vitro) and causes emphysema when administered by tracheal insufflation to hamsters.
Other Notes	Small volumes of anti-PRTN3 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 PRTN3 purchase	MBS7105060 is an antibody targeting PRTN3. Also known as PRTN3 Antibody, Biotin conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PRTN3. It may not necessarily be applicable to this product.

NCBI GI #	71361688
NCBI GeneID	5657
NCBI Accession #	NP_002768.3
UniProt Primary Accession #	P24158
UniProt Secondary Accession #	P15637; P18078; Q4VB08; Q4VB09; Q6LBM7; Q6LBN2; Q9UD25; Q9UQD8
UniProt Related Accession #	P24158
GenBank Nucleotide #	NM_002777.3
NCBI Official Full Name	myeloblastin
NCBI Official Synonym Full Names	proteinase 3
NCBI Official Symbol	PRTN3
NCBI Official Synonym Symbols	MBN; MBT; NP4; P29; PR3; ACPA; AGP7; NP-4; PR-3; CANCA; C-ANCA
UniProt Protein Name	Myeloblastin
UniProt Synonym Protein Names	AGP7; C-ANCA antigen; Leukocyte proteinase 3; PR-3; PR3; Neutrophil proteinase 4; NP-4; P29; Wegener autoantigen
Protein Family	Myeloblastin
UniProt Gene Name	PRTN3
UniProt Synonym Gene Names	MBN; PR-3; PR3; NP-4
NCBI Protein Information	myeloblastin
UniProt Comments for PRTN3	Serine protease that degrades elastin, fibronectin, laminin, vitronectin, and collagen types I, III, and IV (in vitro) (PubMed:3198760, PubMed:2033050, PubMed:28240246). By cleaving and activating receptor F2RL1/PAR-2, enhances endothelial cell barrier function and thus vascular integrity during neutrophil transendothelial migration (PubMed:23202369). May play a role in neutrophil transendothelial migration, probably when associated with CD177 (PubMed:22266279).
Research Articles on PRTN3	**1.** Studies indicate that the premature activation of proteinase 3 (PR3) would seriously harm the cell by its protease activity.
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