

PRTN3 / Proteinase 3 Antibody (aa88-98)
Goat Polyclonal Antibody
Catalog # ALS16159**Specification**

PRTN3 / Proteinase 3 Antibody (aa88-98) - Product Information

Application	WB, IHC-P, E
Primary Accession	P24158
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	28kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A E~~N/A

PRTN3 / Proteinase 3 Antibody (aa88-98) - Additional Information**Gene ID** 5657**Other Names**

Myeloblastin, 3.4.21.76, AGP7, C-ANCA antigen, Leukocyte proteinase 3, PR-3, PR3, Neutrophil proteinase 4, NP-4, P29, Wegener autoantigen, PRTN3, MBN

Target/Specificity

Human Proteinase 3 / PRTN3

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

PRTN3 / Proteinase 3 Antibody (aa88-98) is for research use only and not for use in diagnostic or therapeutic procedures.

PRTN3 / Proteinase 3 Antibody (aa88-98) - Protein Information**Name** PRTN3**Synonyms** MBN**Function**

Serine protease that degrades elastin, fibronectin, laminin, vitronectin, and collagen types I, III, and IV (in vitro) (PubMed: [2033050](http://www.uniprot.org/citations/2033050), PubMed: [28240246](http://www.uniprot.org/citations/28240246), PubMed: [3198760](http://www.uniprot.org/citations/3198760)). By cleaving and activating receptor F2RL1/PAR-2, enhances endothelial cell barrier function and thus vascular integrity during neutrophil transendothelial migration (PubMed: [23202369](http://www.uniprot.org/citations/23202369))

target="_blank">23202369). Plays a role in neutrophil transendothelial migration, probably when associated with CD177 (PubMed:22266279). Triggers inflammatory processes in neutrophils by interacting with ADGRG3 upstream of F2RL1/PAR2 activation (PubMed:36302784).

Cellular Location

Cytoplasmic granule. Secreted. Cell membrane; Peripheral membrane protein; Extracellular side. Membrane raft; Peripheral membrane protein; Extracellular side. Note=Localizes predominantly to azurophil granules (primary secretory granules) in neutrophils (PubMed:18462208, PubMed:2033050, PubMed:3198760, PubMed:7897245) Secreted upon neutrophil stimulation by TNF-alpha, lipopolysaccharide (LPS), fMLP and CXCL8/IL8 or during neutrophil transmigration (PubMed:22266279, PubMed:28240246). Following secretion tethered to the cell membrane by CD177 (PubMed:18462208, PubMed:22266279)

Tissue Location

Expressed in polymorphonuclear leukocytes (at protein level) (PubMed:2033050, PubMed:3198760, PubMed:7897245) Expressed in neutrophils (at protein level) (PubMed:17244676, PubMed:18462208, PubMed:21193407, PubMed:22266279, PubMed:28240246) Expressed in differentiating neutrophils (PubMed:18462208)

PRTN3 / Proteinase 3 Antibody (aa88-98) - Protocols

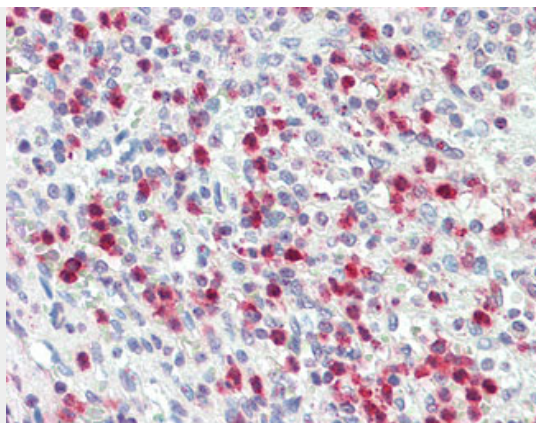
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PRTN3 / Proteinase 3 Antibody (aa88-98) - Images



PRTN3 antibody E12324 (2 ug/ml) staining of Human Spleen lysate (35 ug protein in RIPA buffer).



Anti-Proteinase 3 / PRTN3 antibody IHC staining of human spleen.

PRTN3 / Proteinase 3 Antibody (aa88-98) - Background

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.

PRTN3 / Proteinase 3 Antibody (aa88-98) - References

Labbaye C.,et al.Proc. Natl. Acad. Sci. U.S.A. 88:9253-9256(1991).
Grimwood J.,et al.Nature 428:529-535(2004).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Zimmer M.,et al.Proc. Natl. Acad. Sci. U.S.A. 89:8215-8219(1992).
Sturrock A.B.,et al.J. Biol. Chem. 267:21193-21199(1992).