

**PRTN3 Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP22068b**

**Specification**

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**PRTN3 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P24158</a>
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	27807

**PRTN3 Antibody (C-term) - 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**

This PRTN3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 88-118 amino acids from the C-terminal region of human PRTN3.

**Dilution**

WB~~1:2000

E~~Use at an assay dependent concentration.

**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.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

PRTN3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**PRTN3 Antibody (C-term) - 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](#), PubMed:[28240246](#), PubMed:[3198760](#)). By cleaving and activating receptor F2RL1/PAR-2, enhances endothelial cell barrier function and thus vascular integrity during neutrophil transendothelial migration (PubMed:[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

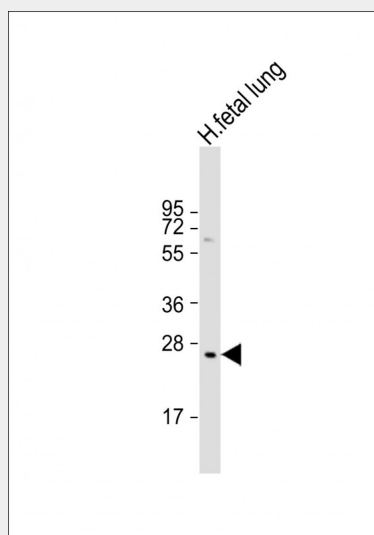
Expressed in polymorphonuclear leukocytes (at protein level) (PubMed:2033050, PubMed:3198760, PubMed:7897245) Expressed in neutrophils (at protein level) (PubMed:17244676, PubMed:18462208, PubMed:21193407, PubMed:22266279, PubMed:28240246) Expressed in differentiating neutrophils (PubMed:18462208)

#### PRTN3 Antibody (C-term) - Protocols

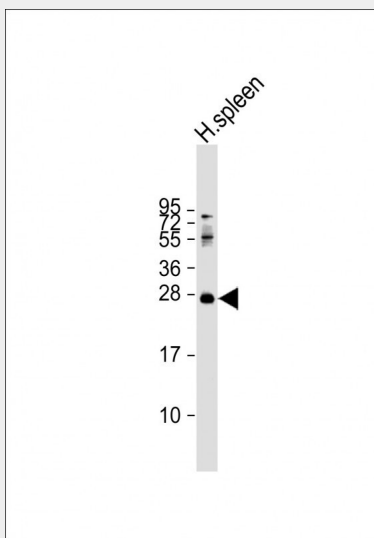
Provided below are standard protocols that you may find useful for product applications.

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

#### PRTN3 Antibody (C-term) - Images



Anti-PRTN3 Antibody (C-term) at 1:2000 dilution + human fetal lung lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 28 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Anti-PRTN3 Antibody (C-term) at 1:2000 dilution + human spleen lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 28 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

#### **PRTN3 Antibody (C-term) - 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 Antibody (C-term) - 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).