

PRTN3 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14624**Specification**

PRTN3 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	P24158
Other Accession	NM_002777 , NP_002768
Reactivity	Human
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28kDa KDa

PRTN3 antibody - N-terminal region - Additional Information**Gene ID 5657**

Alias Symbol	ACPA, AGP7, C-ANCA, CANCA, MBN, MBT, NP4, P29, PR-3, PR3
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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

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-PRTN3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

PRTN3 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

PRTN3 antibody - N-terminal region - 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). 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

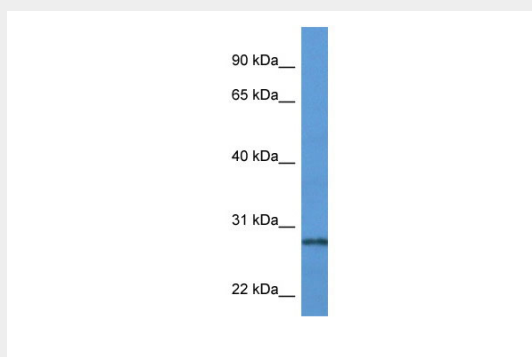
Expressed in polymorphonuclear leukocytes (at protein level) (PubMed:2033050, PubMed:3198760, PubMed:7897245) Expressed in neutrophils (at protein level) (PubMed:17244676, PubMed:18462208, PubMed:21193407, PubMed:22266279, PubMed:28240246) Expressed in differentiating neutrophils (PubMed:18462208)

PRTN3 antibody - N-terminal region - 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 - N-terminal region - Images



WB Suggested Anti-PRTN3 Antibody Titration: 1.0 µg/ml
Positive Control: Fetal Lung

PRTN3 antibody - N-terminal region - 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).