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PRTN3 Antibody(C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19803B

Specification

PRTN3 Antibody(C-term) - Product Information

Application	**WB,E**
Primary Accession	P24158
Other Accession	NP_002768.3
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**228-256**

PRTN3 Antibody(C-term) - Additional Information

Gene ID 5657

Other Names
Myeloblastin, 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 rabbits immunized with a KLH conjugated synthetic peptide between 228-256 amino acids from the C-terminal region of human PRTN3.

Dilution
WB~~1:1000

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: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).

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:2033050, PubMed:3198760, PubMed:7897245, PubMed:18462208) 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)

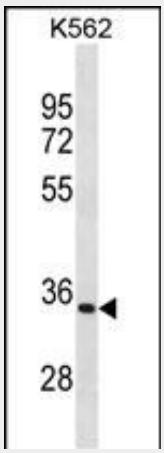
Tissue Location
Expressed in polymorphonuclear leukocytes (at protein level) (PubMed:2033050, PubMed:7897245, PubMed:3198760) Expressed in neutrophils (at protein level) (PubMed:28240246, PubMed:18462208, PubMed:21193407, PubMed:22266279, PubMed:17244676) Expressed in differentiating neutrophils (PubMed:18462208)

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 Cytomety
- Cell Culture

PRTN3 Antibody(C-term) - Images



PRTN3 Antibody (C-term) (Cat. #AP19803b) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the PRTN3 antibody detected the PRTN3 protein (arrow).

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

Kallquist, L., et al. Exp. Cell Res. 316(19):3182-3196(2010)
Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Kuhl, A., et al. J. Immunol. 185(1):387-399(2010)
Abdgawad, M., et al. Clin. Exp. Immunol. 161(1):89-97(2010)
Hajjar, E., et al. FEBS J. 277(10):2238-2254(2010)