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proteinase 3 / myeloblastin (aa88-98) Antibody (internal region)

Peptide-affinity purified goat antibody
Catalog # AF4060a

Specification

proteinase 3 / myeloblastin (aa88-98) Antibody (internal region) - Product Information

Application	**WB**
Primary Accession	P24158
Other Accession	NP_002768.3, 5657
Reactivity	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**27807**

proteinase 3 / myeloblastin (aa88-98) Antibody (internal region) - 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

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
proteinase 3 / myeloblastin (aa88-98) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

proteinase 3 / myeloblastin (aa88-98) Antibody (internal 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: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)

proteinase 3 / myeloblastin (aa88-98) Antibody (internal 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 Cytomety
- Cell Culture

proteinase 3 / myeloblastin (aa88-98) Antibody (internal region) - Images



E12324 (2 µg/ml) staining of Human Spleen lysate (35 µg protein in RIPA buffer). Primary

incubation was 1 hour. Detected by chemiluminescence.

proteinase 3 / myeloblastin (aa88-98) Antibody (internal region) - References

Contradictory functions (activation/termination) of neutrophil proteinase 3 enzyme (PR3) in interleukin-33 biological activity. Bae S, Kang T, Hong J, Lee S, Choi J, Jhun H, Kwak A, Hong K, Kim E, Jo S, Kim S. J Biol Chem. 2012 Mar 9;287(11):8205-13. PMID: 22270365