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MMP8 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13723a

Specification

MMP8 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	P22894
Other Accession	NP_002415.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**53412**
Antigen Region	**56-84**

MMP8 Antibody (N-term) - Additional Information

Gene ID 4317

Other Names
Neutrophil collagenase, Matrix metalloproteinase-8, MMP-8, PMNL collagenase, PMNL-CL, MMP8, CLG1

Target/Specificity
This MMP8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 56-84 amino acids from the N-terminal region of human MMP8.

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
MMP8 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MMP8 Antibody (N-term) - Protein Information

Name MMP8

Synonyms CLG1

Function Can degrade fibrillar type I, II, and III collagens.

Cellular Location
Cytoplasmic granule. Secreted, extracellular space, extracellular matrix. Note=Stored in intracellular granules

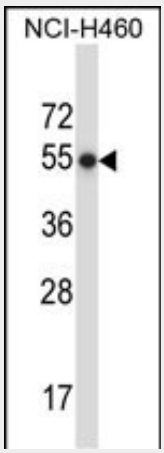
Tissue Location
Neutrophils.

MMP8 Antibody (N-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

MMP8 Antibody (N-term) - Images



MMP8 Antibody (N-term) (Cat. #AP13723a) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the MMP8 antibody detected the MMP8 protein (arrow).

MMP8 Antibody (N-term) - Background

Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. However, the enzyme encoded by this gene is stored in secondary granules within neutrophils and is activated by autolytic cleavage. Its function is degradation of type I, II and III collagens. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3.

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Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Alexander, J.S., et al. Mult. Scler. 16(7):801-809(2010)
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