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MMP9 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP16581b

Specification

MMP9 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	P14780
Other Accession	NP_004985.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit Ig**
Calculated MW	**78458**
Antigen Region	**549-578**

MMP9 Antibody (C-term) - Additional Information

Gene ID 4318

Other Names
Matrix metalloproteinase-9, MMP-9, 92 kDa gelatinase, 92 kDa type IV collagenase, Gelatinase B, GELB, 67 kDa matrix metalloproteinase-9, 82 kDa matrix metalloproteinase-9, MMP9, CLG4B

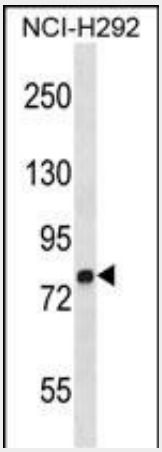
Target/Specificity
This MMP9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 549-578 amino acids from the C-terminal region of human MMP9.

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



MMP9 Antibody (C-term) (Cat. #AP16581b) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the MMP9 antibody detected the MMP9 protein (arrow).

MMP9 Antibody (C-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. The enzyme encoded by this gene degrades type IV and V collagens. Studies in rhesus monkeys suggest that the enzyme is involved in IL-8-induced mobilization of hematopoietic progenitor cells from bone marrow, and murine studies suggest a role in tumor-associated tissue remodeling. [provided by RefSeq].

MMP9 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MMP9 Antibody (C-term) - Protein Information

Name MMP9

Synonyms CLG4B

Function
Matrix metalloproteinase that plays an essential role in local proteolysis of the extracellular matrix and in leukocyte migration (PubMed:2551898, PubMed:1480034, PubMed:12879005). Could play a role in bone osteoclastic resorption (By similarity). Cleaves KiSS1 at a Gly-|-Leu bond (PubMed:12879005). Cleaves NINJ1 to generate the Secreted ninjurin-1 form (PubMed:32883094). Cleaves type IV and type V collagen into large C-terminal three quarter fragments and shorter N- terminal one quarter fragments (PubMed:1480034). Degrades fibronectin but not laminin or Pz-peptide.

Cellular Location
Secreted, extracellular space, extracellular matrix

Tissue Location
Detected in neutrophils (at protein level) (PubMed:7683678). Produced by normal alveolar macrophages and granulocytes.

MMP9 Antibody (C-term) - Protocols

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

MMP9 Antibody (C-term) - References

Lacchini, R., et al. Clin. Chim. Acta 411 (23-24), 1940-1944 (2010) :
Chambers, M.A., et al. Biochem. Biophys. Res. Commun. 400(3):403-408(2010)
Beeghly-Fadiel, A., et al. Breast Cancer Res. Treat. (2010) In press :
Szczudlik, P., et al. Neurol. Neurochir. Pol. 44(4):350-357(2010)
Mossbock, G., et al. Mol. Vis. 16, 1764-1770 (2010) :

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture