

MMP9 / Gelatinase B Antibody
Mouse Monoclonal Antibody
Catalog # ALS12324**Specification**

MMP9 / Gelatinase B Antibody - Product Information

Application	IHC
Primary Accession	P14780
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	78kDa KDa

MMP9 / Gelatinase B Antibody - Additional Information**Gene ID** 4318**Other Names**

Matrix metalloproteinase-9, MMP-9, 3.4.24.35, 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

Recognizes human protein of 92kD and 78kD, under non-reducing conditions, which are identified as pro (latent) and activated forms of matrix metalloproteinase 9 (MMP-9; also known as 92kD collagenase IV or gelatinase B). Also reacts with the complex ...

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

MMP9 / Gelatinase B Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

MMP9 / Gelatinase B Antibody - 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](http://www.uniprot.org/citations/2551898), PubMed: [1480034](http://www.uniprot.org/citations/1480034), PubMed: [12879005](http://www.uniprot.org/citations/12879005)). Could play a role in bone osteoclastic resorption (By similarity). Cleaves KiSS1 at a Gly-I-Leu bond (PubMed: [12879005](http://www.uniprot.org/citations/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

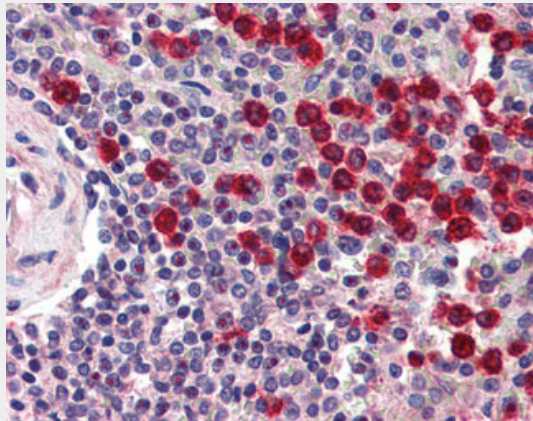
Tissue Location

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

MMP9 / Gelatinase B Antibody - 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](#)

MMP9 / Gelatinase B Antibody - Images

Anti-MMP-9 antibody IHC of human spleen.

MMP9 / Gelatinase B Antibody - Background

May play an essential role in local proteolysis of the extracellular matrix and in leukocyte migration. Could play a role in bone osteoclastic resorption. Cleaves KiSS1 at a Gly-I-Leu bond. Cleaves type IV and type V collagen into large C-terminal three quarter fragments and shorter N-terminal one quarter fragments. Degrades fibronectin but not laminin or Pz-peptide.

MMP9 / Gelatinase B Antibody - References

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Huhtala P.,et al.J. Biol. Chem. 266:16485-16490(1991).
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Deloukas P.,et al.Nature 414:865-871(2001).
Sato H.,et al.Oncogene 8:395-405(1993).