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MMP9 / Gelatinase B Antibody (Internal)

Rabbit Polyclonal Antibody
Catalog # ALS12805

Specification

MMP9 / Gelatinase B Antibody (Internal) - Product Information

Application	**IHC**
Primary Accession	P14780
Reactivity	**Human, Guinea Pig**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**78kDa KDa**

MMP9 / Gelatinase B Antibody (Internal) - 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 pro (latent) and activated forms of human MMP-9 at 92kD and ~86kD, respectively. Shows no cross-reaction with pro and active forms of other MMPs.

Reconstitution & Storage
Long term: Add glycerol (40-50%) -20°C; Short term: +4°C

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

MMP9 / Gelatinase B Antibody (Internal) - 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.

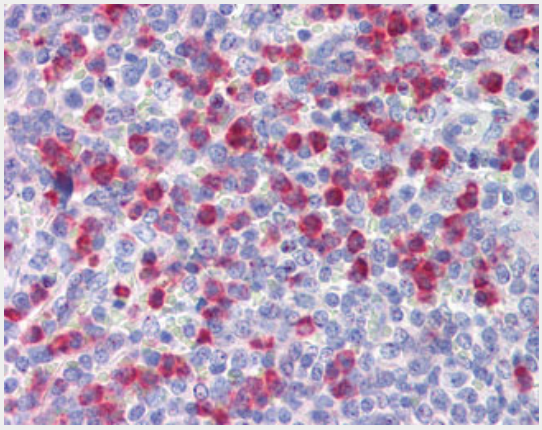
Volume
250 µl

MMP9 / Gelatinase B Antibody (Internal) - 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

MMP9 / Gelatinase B Antibody (Internal) - Images



Anti-MMP-9 antibody IHC of human spleen.

MMP9 / Gelatinase B Antibody (Internal) - 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-|-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 (Internal) - References

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