

**MMP-9 Antibody**  
**Purified Rabbit Polyclonal Antibody**  
**Catalog # ABV11568****Specification**

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**MMP-9 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P14780</a>
Other Accession	<a href="#">AAM97934</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	78458

**MMP-9 Antibody - Additional Information****Gene ID** 4318**Other Names**

GELB , EC 3.4.24.35 , CLG4B , Matrix metalloproteinase

**Target/Specificity**

MMP-9

**Formulation**

200 µg (0.5 mg/ml) affinity purified rabbit anti-human MMP-9 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5mM EDTA and 0.01% thimerosal.

**Handling**

The antibody solution should be gently mixed before use.

**Background Descriptions****Precautions**

MMP-9 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**MMP-9 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:<a href="http://www.uniprot.org/citations/2551898"

target="\_blank">2551898</a>, PubMed:<a href="http://www.uniprot.org/citations/1480034" target="\_blank">1480034</a>, PubMed:<a href="http://www.uniprot.org/citations/12879005" target="\_blank">12879005</a>). Could play a role in bone osteoclastic resorption (By similarity). Cleaves KiSS1 at a Gly-I-Leu bond (PubMed:<a href="http://www.uniprot.org/citations/12879005" target="\_blank">12879005</a>). Cleaves NINJ1 to generate the Secreted ninjurin-1 form (PubMed:<a href="http://www.uniprot.org/citations/32883094" target="\_blank">32883094</a>). Cleaves type IV and type V collagen into large C-terminal three quarter fragments and shorter N-terminal one quarter fragments (PubMed:<a href="http://www.uniprot.org/citations/1480034" target="\_blank">1480034</a>). Degrades fibronectin but not laminin or Pz-peptide.

#### **Cellular Location**

Secreted, extracellular space, extracellular matrix

#### **Tissue Location**

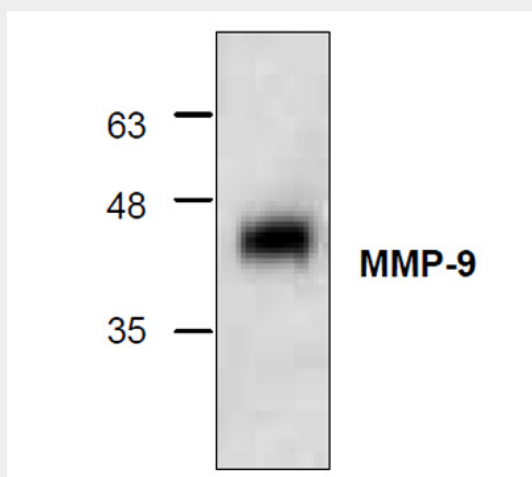
Detected in neutrophils (at protein level) (PubMed:7683678). Produced by normal alveolar macrophages and granulocytes.

### **MMP-9 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](#)

### **MMP-9 Antibody - Images**



### **MMP-9 Antibody - Background**

The matrix metalloproteinases (MMP) are a family of peptidase enzymes responsible for the degradation of extracellular matrix components, including collagen, gelatin, fibronectin, laminin and proteoglycan. Transcription of MMP genes is differentially activated by phorbol ester,

lipopolysaccharide (LPS) or staphylococcal enterotoxin B (SEB). MMP catalysis requires both calcium and zinc. MMP-9 has been shown to degrade bone collagens in concert with MMP-1 (also designated interstitial collagenase, fibroblast collagenase or collagenase-1), and cysteine proteases and may play a role in bone osteoclastic resorption.