

**MMP9 Antibody**  
Rabbit mAb  
Catalog # AP90253

## Specification

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### MMP9 Antibody - Product Information

Application	WB, IHC, FC, ICC
Primary Accession	<a href="#">P14780</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
MMP9; GELB; CLG4B; Matrix Metalloproteinase 9; MANDP2; Gelatinase beta;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	78458 Da

### MMP9 Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human MMP9
Description	MMP9 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. Belongs to the peptidase M10A family.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

### MMP9 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/12879005" target="\_blank">12879005</a>, PubMed:<a href="http://www.uniprot.org/citations/1480034" target="\_blank">1480034</a>)

target="\_blank">1480034</a>, PubMed:<a href="http://www.uniprot.org/citations/2551898" target="\_blank">2551898</a>). Could play a role in bone osteoclastic resorption (By similarity). Cleaves KiSS1 at a Gly-|-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

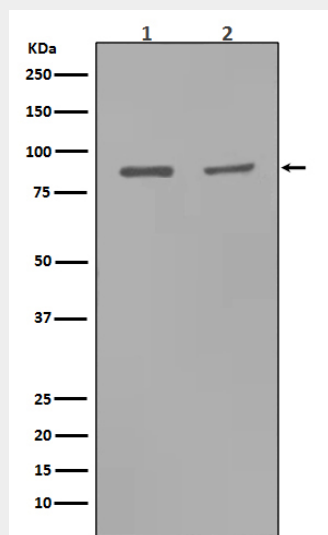
Detected in neutrophils (at protein level) (PubMed:7683678). Produced by normal alveolar macrophages and granulocytes.

### MMP9 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 Antibody - Images



Western blot analysis of MMP9 expression in (1)Rat kidney tissue lysate;(2)Rat lung tissue lysate.