

**Anti-MMP9 Rabbit Monoclonal Antibody**  
**Catalog # ABO13330****Specification**

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**Anti-MMP9 Rabbit Monoclonal Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC, IF, ICC, FC   |
| Primary Accession | <a href="#">P14780</a> |
| Host              | Rabbit                 |
| Isotype           | Rabbit IgG             |
| Reactivity        | Rat, Human             |
| Clonality         | Monoclonal             |
| Format            | Liquid                 |

**Description**

Anti-MMP9 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, Flow Cytometry applications.  
This antibody reacts with Human, Rat.

**Anti-MMP9 Rabbit Monoclonal 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

**Calculated MW**

78458 MW KDa

**Application Details**

WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>FC 1:50

**Subcellular Localization**

Secreted, extracellular space, extracellular matrix.

**Tissue Specificity**

Produced by normal alveolar macrophages and granulocytes.

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human MMP9

**Purification**

Affinity-chromatography

**Storage**

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for**

**up to one month. Avoid repeated  
freeze-thaw cycles.**

## **Anti-MMP9 Rabbit Monoclonal 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>, 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-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**

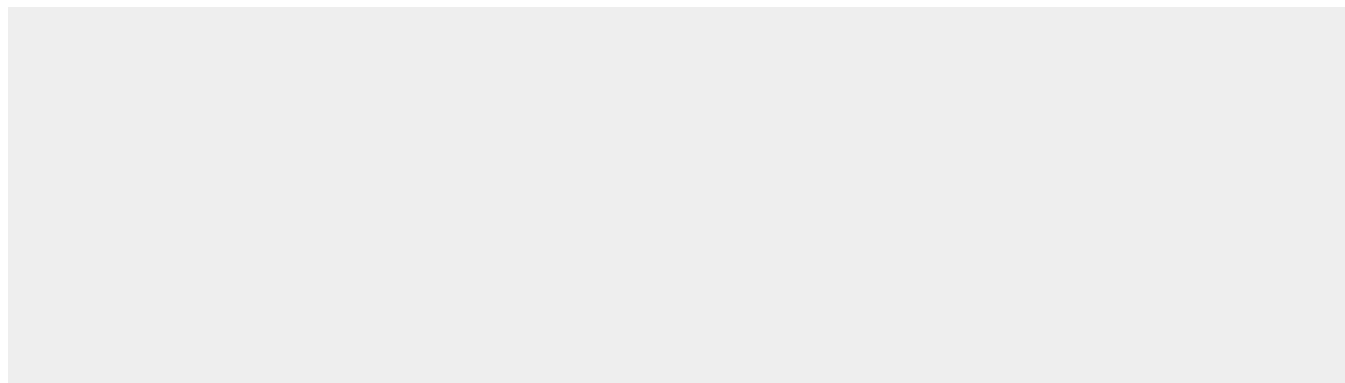
Detected in neutrophils (at protein level) (PubMed:7683678). Produced by normal alveolar macrophages and granulocytes.

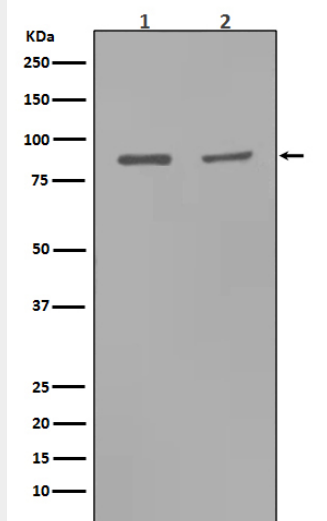
## **Anti-MMP9 Rabbit Monoclonal Antibody - Protocols**

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

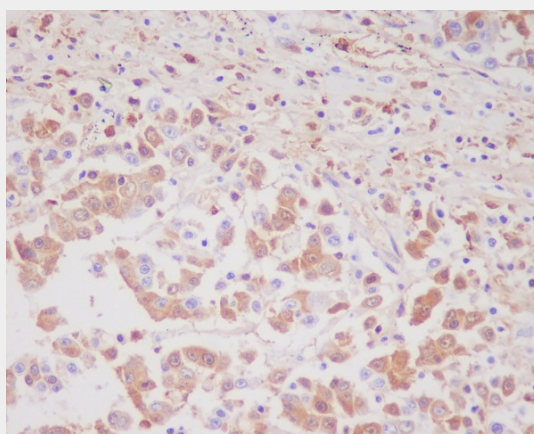
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **Anti-MMP9 Rabbit Monoclonal Antibody - Images**

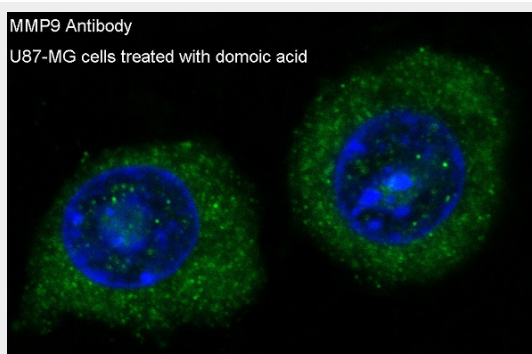




Western blot analysis of MMP9 expression in (1) Rat kidney tissue lysate; (2) Rat lung tissue lysate.



Immunohistochemical analysis of paraffin-embedded human colon cancer, using MMP9 Antibody.



Immunofluorescent analysis of U87-MG cells, using MMP9 Antibody.