

**MMP-10 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP50649**

**Specification**

---

**MMP-10 Antibody - Product Information**

Application	IF, WB, IHC
Primary Accession	<a href="#">P09238</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54 KDa
Antigen Region	380-410

**MMP-10 Antibody - Additional Information**

**Gene ID** 4319

**Other Names**

Stromelysin-2, SL-2, Matrix metalloproteinase-10, MMP-10, Transin-2, MMP10, STMY2

**Dilution**

IF~~1:100  
WB~~1:1000  
IHC~~1:50-1:100

**Format**

Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

**Storage Conditions**

-20°C

**MMP-10 Antibody - Protein Information**

**Name** MMP10

**Synonyms** STMY2

**Function**

Can degrade fibronectin, gelatins of type I, III, IV, and V; weakly collagens III, IV, and V. Activates procollagenase.

**Cellular Location**

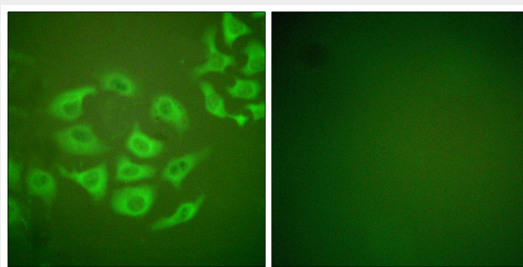
Secreted, extracellular space, extracellular matrix

## MMP-10 Antibody - Protocols

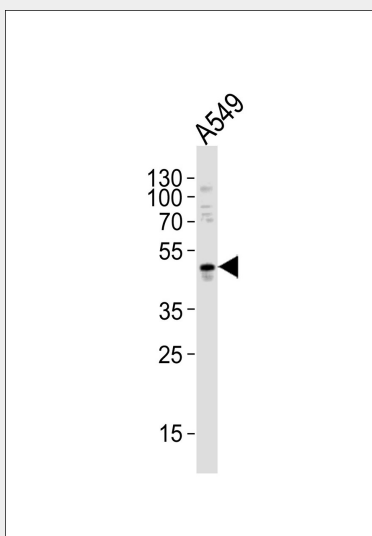
Provided below are standard protocols that you may find useful for product applications.

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

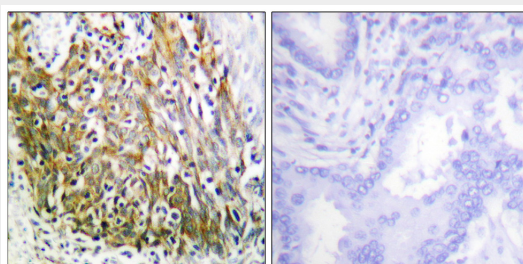
## MMP-10 Antibody - Images



Immunofluorescence analysis of HepG2 cells, using MMP-10 antibody.



Western blot analysis of lysate from A549 cell line, using MMP-10 Antibody (AP50649). AP50649 was diluted at 1:1000. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35 µg.



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue using MMP-10 antibody.

### **MMP-10 Antibody - Background**

Can degrade fibronectin, gelatins of type I, III, IV, and V; weakly collagens III, IV, and V. Activates procollagenase.

### **MMP-10 Antibody - References**

Muller D.,et al.Biochem. J. 253:187-192(1988).  
Kalnine N.,et al.Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Suzuki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.  
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

### **MMP-10 Antibody - Citations**

- [Nkx2-5 Is Expressed in Atherosclerotic Plaques and Attenuates Development of Atherosclerosis in Apolipoprotein E-Deficient Mice.](#)