

**MMP-1 Polyclonal Antibody**  
Catalog # AP70975**Specification**

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**MMP-1 Polyclonal Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P03956</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>

**MMP-1 Polyclonal Antibody - Additional Information****Gene ID** 4312**Other Names**

MMP1; CLG; Interstitial collagenase; Fibroblast collagenase; Matrix metalloproteinase-1; MMP-1

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**MMP-1 Polyclonal Antibody - Protein Information****Name** MMP1**Synonyms** CLG**Function**

Cleaves collagens of types I, II, and III at one site in the helical domain. Also cleaves collagens of types VII and X (PubMed: [1645757](http://www.uniprot.org/citations/1645757) target="\_blank">1645757</a>, PubMed: [2153297](http://www.uniprot.org/citations/2153297) target="\_blank">2153297</a>, PubMed: [2557822](http://www.uniprot.org/citations/2557822) target="\_blank">2557822</a>). In case of HIV infection, interacts and cleaves the secreted viral Tat protein, leading to a decrease in neuronal Tat's mediated neurotoxicity (PubMed: [16807369](http://www.uniprot.org/citations/16807369) target="\_blank">16807369</a>).

**Cellular Location**

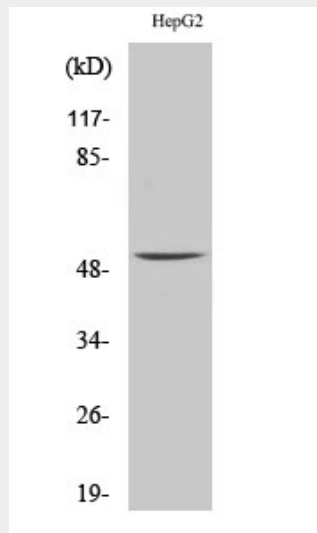
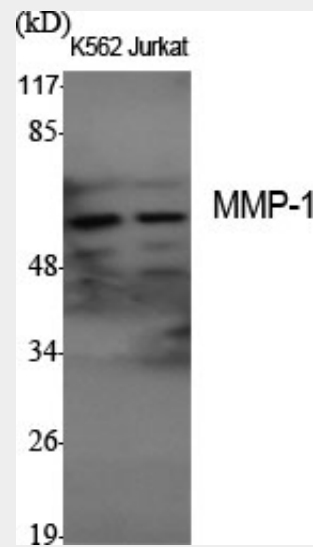
Secreted, extracellular space, extracellular matrix

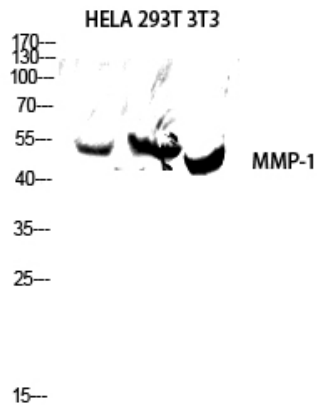
## MMP-1 Polyclonal Antibody - Protocols

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-1 Polyclonal Antibody - Images





### **MMP-1 Polyclonal Antibody - Background**

Cleaves collagens of types I, II, and III at one site in the helical domain. Also cleaves collagens of types VII and X (PubMed:2557822, PubMed:2153297, PubMed:1645757). In case of HIV infection, interacts and cleaves the secreted viral Tat protein, leading to a decrease in neuronal Tat's mediated neurotoxicity (PubMed:16807369).