

# MMP-1 Polyclonal Antibody

Catalog # AP70975

## Product Information

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<b>Application</b>	WB, IHC-P, IF, ICC, E
<b>Primary Accession</b>	<a href="#">P03956</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	54007

## Additional Information

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<b>Gene ID</b>	4312
<b>Other Names</b>	MMP1; CLG; Interstitial collagenase; Fibroblast collagenase; Matrix metalloproteinase-1; MMP-1
<b>Dilution</b>	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. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A
<b>Format</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
<b>Storage Conditions</b>	-20°C

## Protein Information

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<b>Name</b>	MMP1
<b>Synonyms</b>	CLG
<b>Function</b>	Cleaves collagens of types I, II, and III at one site in the helical domain. Also cleaves collagens of types VII and X (PubMed: <a href="#">1645757</a> , PubMed: <a href="#">2153297</a> , PubMed: <a href="#">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: <a href="#">16807369</a> ).
<b>Cellular Location</b>	Secreted, extracellular space, extracellular matrix

## Background

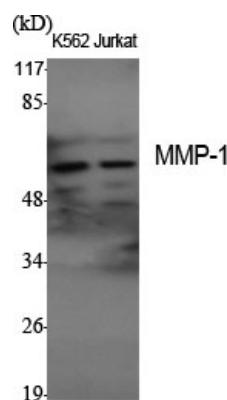
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Cleaves collagens of types I, II, and III at one site in the helical domain. Also cleaves collagens of types VII and X (PubMed:[2557822](#), PubMed:[2153297](#), PubMed:[1645757](#)). In case of HIV infection, interacts and cleaves the secreted viral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

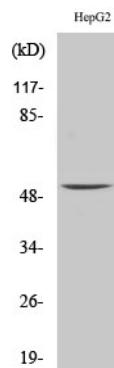
(PubMed:[16807369](https://pubmed.ncbi.nlm.nih.gov/16807369/)).

## Images

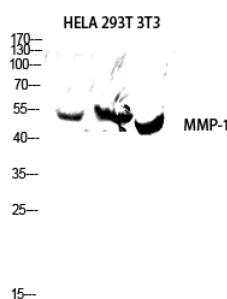
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Western Blot analysis of various cells using MMP-1 Polyclonal Antibody diluted at 1 : 1000



Western Blot analysis of HepG2 cells using MMP-1 Polyclonal Antibody diluted at 1 : 1000



Western blot analysis of HELA 293T 3T3 lysis using MMP-1 antibody. Antibody was diluted at 1:1000

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.