

MMP1 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51345

Product Information

Application	WB, ICC, IHC-P
Primary Accession	P03956
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54007

Additional Information

Gene ID	4312
Other Names	Interstitial collagenase, Fibroblast collagenase, Matrix metalloproteinase-1, MMP-1, 22 kDa interstitial collagenase, 27 kDa interstitial collagenase, MMP1, CLG
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human MMP1. The exact sequence is proprietary.
Dilution	WB~~1:500 ICC~~N/A IHC-P~~N/A
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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 , PubMed: 2153297 , PubMed: 2557822). 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).
Cellular Location	Secreted, extracellular space, extracellular matrix

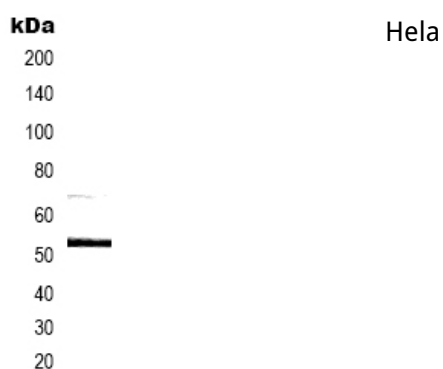
Background

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

References

Templeton N.S.,et al.Cancer Res. 50:5431-5437(1990).
Whitham S.E.,et al.Biochem. J. 240:913-916(1986).
Goldberg G.I.,et al.J. Biol. Chem. 261:6600-6605(1986).
Lin D.,et al.Submitted (DEC-1996) to the EMBL/GenBank/DDBJ databases.
Kalnine N.,et al.Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.

Images



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