

Anti-MMP1 Rabbit Monoclonal Antibody

Catalog # ABO13354

Product Information

Application	WB, IHC, IF, ICC, FC
Primary Accession	P03956
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid
Description	Anti-MMP1 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human.

Additional Information

Gene ID	4312
Other Names	Interstitial collagenase, 3.4.24.7, Fibroblast collagenase, Matrix metalloproteinase-1, MMP-1, 22 kDa interstitial collagenase, 27 kDa interstitial collagenase, MMP1, CLG
Calculated MW	54007
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200 FC 1:50
Subcellular Localization	Secreted, extracellular space, extracellular matrix.
Source	Eukaryota
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.
Clone Names	Clone: CDG-13
Immunogen	A synthesized peptide derived from human MMP1
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.

Protein Information

Name	MMP1
-------------	------

Synonyms

CLG

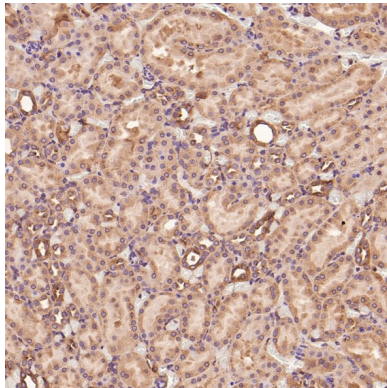
Function

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](#)).

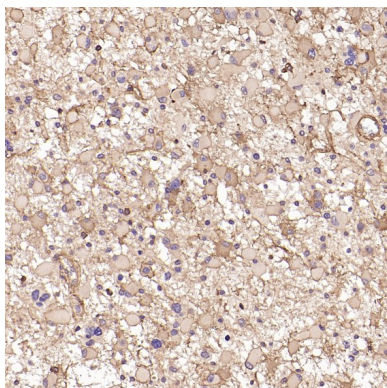
Cellular Location

Secreted, extracellular space, extracellular matrix

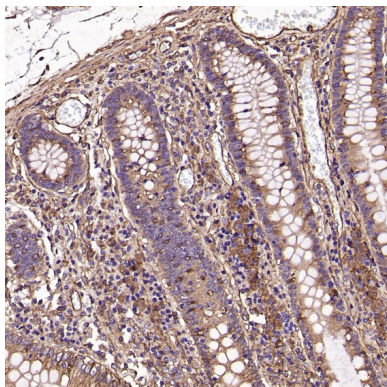
Images



Immunohistochemical analysis of paraffin-embedded Rat kidney, using the Antibody at 1:50 dilution.

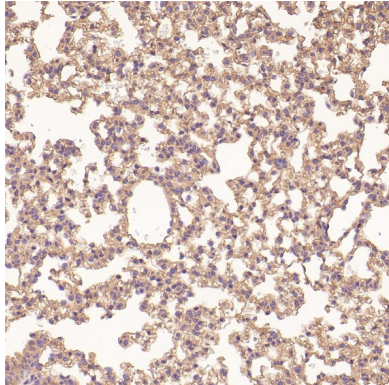
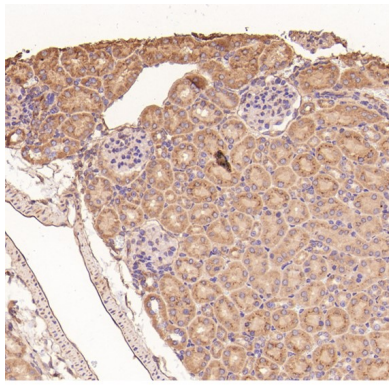


Immunohistochemical analysis of paraffin-embedded Human astrocytoma, using the Antibody at 1:50 dilution.

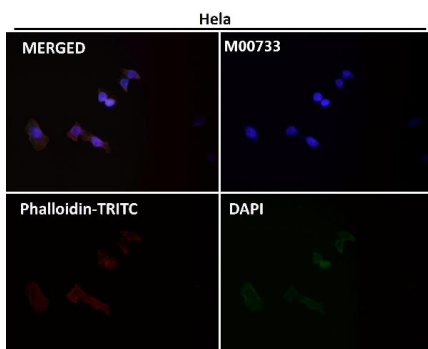


Immunohistochemical analysis of paraffin-embedded Human colon, using the Antibody at 1:50 dilution.

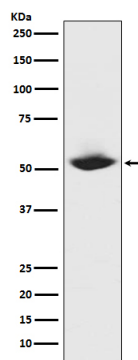
Immunohistochemical analysis of paraffin-embedded Mouse kidney, using the Antibody at 1:50 dilution.



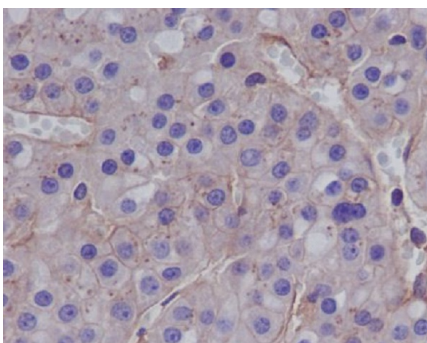
Immunohistochemical analysis of paraffin-embedded Mouse lung, using the Antibody at 1:50 dilution.



Immunofluorescent analysis using the Antibody at 1:50 dilution.



Western blot analysis of MMP1 expression in MMP1 recombinant protein.



Immunohistochemical analysis of paraffin-embedded human hepatocellular carcinoma, using MMP1 Antibody.

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