

MMP1 Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8598b

Specification

MMP1 Antibody - Product Information

Application	WB,E
Primary Accession	P03956
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG2a
Calculated MW	54007

MMP1 Antibody - 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

Target/Specificity

This antibody is generated from a mouse immunized with a recombinant protein from human.

Dilution

WB~~1:2000

Format

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MMP1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

MMP1 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](#), 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

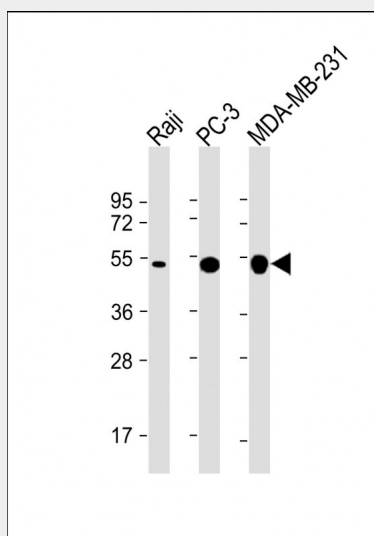
Secreted, extracellular space, extracellular matrix

MMP1 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](#)

MMP1 Antibody - Images



All lanes : Anti-MMP1 Antibody at 1:2000 dilution Lane 1: Raji whole cell lysate Lane 2: PC-3 whole cell lysate Lane 3: MDA-MB-231 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 52/55 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

MMP1 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. In case of HIV infection, interacts and cleaves the secreted viral Tat protein, leading to a decrease in neuronal Tat's mediated neurotoxicity.

MMP1 Antibody - 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.