

MMP1 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP11874c**Specification**

MMP1 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [P03956](#)**MMP1 Antibody (Center) Blocking peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MMP1 Antibody (Center) Blocking peptide - 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: [2557822](http://www.uniprot.org/citations/2557822), PubMed: [2153297](http://www.uniprot.org/citations/2153297), PubMed: [1645757](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/16807369)).

Cellular Location

Secreted, extracellular space, extracellular matrix

MMP1 Antibody (Center) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

MMP1 Antibody (Center) Blocking peptide - Images

MMP1 Antibody (Center) Blocking peptide - Background

Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. This gene encodes a secreted enzyme which breaks down the interstitial collagens, types I, II, and III. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. Alternative splicing results in multiple transcript variants.

MMP1 Antibody (Center) Blocking peptide - References

Beshir, A.B., et al. Cancer Lett. 299(2):137-149(2010) Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010) :Malik, N., et al. J. Neurooncol. (2010) In press :Skorupski, P., et al. Ginekol. Pol. 81(8):594-599(2010) Mossbock, G., et al. Mol. Vis. 16, 1764-1770 (2010) :