

MMP10 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP6194a**Specification**

MMP10 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [P09238](#)
Other Accession [NP_002416](#)

MMP10 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 4319

Other Names

Stromelysin-2, SL-2, Matrix metalloproteinase-10, MMP-10, Transin-2, MMP10, STMY2

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6194a](/product/products/AP6194a) was selected from the C-term region of human MMP10. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

MMP10 Antibody (C-term) Blocking Peptide - Protein Information

Name MMP10

Synonyms STMY2

Function

Can degrade fibronectin, gelatins of type I, III, IV, and V; weakly collagens III, IV, and V. Activates procollagenase.

Cellular Location

Secreted, extracellular space, extracellular matrix

MMP10 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MMP10 Antibody (C-term) Blocking Peptide - Images

MMP10 Antibody (C-term) 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 MMPs are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. MMP10 degrades proteoglycans and fibronectin. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3.

MMP10 Antibody (C-term) Blocking Peptide - References

Nagase, H., et al., J. Biol. Chem. 274(31):21491-21494 (1999). Pendas, A.M., et al., Genomics 37(2):266-268 (1996). Jung, J.Y., et al., Ann. Genet. 33(1):21-23 (1990). Sirum, K.L., et al., Biochemistry 28(22):8691-8698 (1989). Muller, D., et al., Biochem. J. 253(1):187-192 (1988).