

MMP19 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP13759a**Specification**

MMP19 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q99542](#)**MMP19 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 4327**Other Names**

Matrix metalloproteinase-19, MMP-19, 3424-, Matrix metalloproteinase RASI, Matrix metalloproteinase-18, MMP-18, MMP19, MMP18, RASI

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13759a was selected from the N-term region of MMP19. 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.

MMP19 Antibody (N-term) Blocking peptide - Protein Information**Name** MMP19**Synonyms** MMP18, RASI**Function**

Endopeptidase that degrades various components of the extracellular matrix, such as aggrecan and cartilage oligomeric matrix protein (comp), during development, haemostasis and pathological conditions (arthritic disease). May also play a role in neovascularization or angiogenesis. Hydrolyzes collagen type IV, laminin, nidogen, nascin-C isoform, fibronectin, and type I gelatin.

Cellular Location

Secreted, extracellular space, extracellular matrix

Tissue Location

Expressed in mammary gland, placenta, lung, pancreas, ovary, small intestine, spleen, thymus,

prostate, testis colon, heart and blood vessel walls. Not detected in brain and peripheral blood leukocytes. Also expressed in the synovial fluid of normal and rheumatoid patients (PubMed:8920941)

MMP19 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

MMP19 Antibody (N-term) Blocking peptide - Images

MMP19 Antibody (N-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 MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. This protein is expressed in human epidermis and it has a role in cellular proliferation as well as migration and adhesion to type I collagen. Multiple transcript variants encoding distinct isoforms have been identified for this gene.

MMP19 Antibody (N-term) Blocking peptide - References

Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010) :Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Romero, R., et al. Am. J. Obstet. Gynecol. 202 (5), 431 (2010) :Muller, M., et al. Mod. Pathol. 23(4):511-521(2010) Lettau, I., et al. J. Neuropathol. Exp. Neurol. 69(3):215-223(2010)