

**MMP19 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6202a****Specification**

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**MMP19 Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [O99542](#)  
Other Accession [NP\\_002420](#)

**MMP19 Antibody (C-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 [AP6202a](/product/products/AP6202a) was selected from the C-term region of human 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 (C-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 (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**MMP19 Antibody (C-term) Blocking Peptide - Images****MMP19 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. The function of MMP19 has not been determined. This gene was previously referred to as MMP18 but has been renamed matrix metalloproteinase 19 (MMP19).

**MMP19 Antibody (C-term) Blocking Peptide - References**

Sadowski, T., et al., Mol. Biol. Cell 14(11):4569-4580 (2003). Impola, U., et al., Int. J. Cancer 103(6):709-716 (2003). Mauch, S., et al., J. Immunol. 168(3):1244-1251 (2002). Stracke, J.O., et al., J. Biol. Chem. 275(20):14809-14816 (2000). Nagase, H., et al., J. Biol. Chem. 274(31):21491-21494 (1999).