

MMP17 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP6201a**Specification**

MMP17 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [O9ULZ9](#)
Other Accession [NP_057239](#)

MMP17 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 4326

Other Names

Matrix metalloproteinase-17, MMP-17, 3424-, Membrane-type matrix metalloproteinase 4, MT-MMP 4, MTMMP4, Membrane-type-4 matrix metalloproteinase, MT4-MMP, MT4MMP, MMP17, MT4MMP

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6201a](/product/products/AP6201a) was selected from the Center region of human MMP17. 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.

MMP17 Antibody (Center) Blocking Peptide - Protein Information

Name MMP17

Synonyms MT4MMP

Function

Endopeptidase that degrades various components of the extracellular matrix, such as fibrin. May be involved in the activation of membrane-bound precursors of growth factors or inflammatory mediators, such as tumor necrosis factor-alpha. May also be involved in tumoral process. Cleaves pro-TNF-alpha at the '74-Ala-|-Gln-75' site. Not obvious if able to proteolytically activate progelatinase A. Does not hydrolyze collagen types I, II, III, IV and V, gelatin, fibronectin, laminin, decorin nor alpha1-antitrypsin.

Cellular Location

[Isoform Long]: Cell membrane; Lipid-anchor, GPI- anchor; Extracellular side. Secreted, extracellular space, extracellular matrix

Tissue Location

Expressed in brain, leukocytes, colon, ovary testis and breast cancer. Expressed also in many transformed and non- transformed cell types

MMP17 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MMP17 Antibody (Center) Blocking Peptide - Images**MMP17 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 MMPs are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. MMP17 is considered a member of the membrane-type MMP (MT-MMP) subfamily. However, this protein is unique among the MT-MMPs in that it is a GPI-anchored protein rather than a transmembrane protein. The protein activates MMP-2 by cleavage.

MMP17 Antibody (Center) Blocking Peptide - References

Jung, M., et al., Prostate 55(2):89-98 (2003). Itoh, Y., et al., J. Biol. Chem. 274(48):34260-34266 (1999). Wang, Y., et al., J. Biol. Chem. 274(46):33043-33049 (1999). Kajita, M., et al., FEBS Lett. 457(3):353-356 (1999). Nagase, H., et al., J. Biol. Chem. 274(31):21491-21494 (1999).