

MMP25 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP6206a**Specification****MMP25 Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [Q9NPA2](#)
Other Accession [NP_071913](#)

MMP25 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 64386

Other Names

Matrix metalloproteinase-25, MMP-25, 3424-, Leukolysin, Membrane-type matrix metalloproteinase 6, MT-MMP 6, MTMMP6, Membrane-type-6 matrix metalloproteinase, MT6-MMP, MT6MMP, MMP25, MMP20, MMPL1, MT6MMP

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6206a](#) was selected from the C-term region of human MMP25 . 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.

MMP25 Antibody (C-term) Blocking Peptide -**MMP25 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. However, MMP25 is a member of the membrane-type MMP (MT-MMP) subfamily; each member of this subfamily contains a potential transmembrane domain suggesting that these proteins are expressed at the cell surface rather than secreted. In addition, it is thought that this protein is activated intracellularly by furin-like enzymes. This protein activates MMP2 by cleavage. The gene has previously been referred to as MMP20 but has been renamed matrix metalloproteinase 25 (MMP25).

MMP25 Antibody (C-term) Blocking Peptide - References

Matsuda, A., et al., J. Biol. Chem. 278(38):36350-36357 (2003). Velasco, G., et al., Cancer Res. 60(4):877-882 (2000). Nagase, H., et al., J. Biol. Chem. 274(31):21491-21494 (1999). Pei, D., Cell Res. 9(4):291-303 (1999). Kojima, S., et al., FEBS Lett. 480 (2-3), 142-146 (2000).

Protein Information

Name MMP25

Synonyms MMP20, MMPL1, MT6MMP

Function

May activate progelatinase A.

Cellular Location

Cell membrane; Lipid-anchor, GPI-anchor;
Extracellular side. Secreted, extracellular
space, extracellular matrix

Tissue Location

Expressed predominantly in leukocytes,
lung and spleen. Expressed also in colon
carcinoma, astrocytoma and glioblastomas

**MMP25 Antibody (C-term) Blocking
Peptide - Protocols**

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

- [Blocking Peptides](#)