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MMP7 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP6212a

Specification

MMP7 Antibody (Center) Blocking Peptide - Product Information

Primary Accession	P09237
Other Accession	NP_002414

MMP7 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 4316

Other Names
Matrilysin, Matrin, Matrix metalloproteinase-7, MMP-7, Pump-1 protease, Uterine metalloproteinase, MMP7, MPSL1, PUMP1

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6212a was selected from the Center region of human MMP7 . 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.

MMP7 Antibody (Center) Blocking Peptide - Protein Information

Name MMP7

Synonyms MPSL1, PUMP1

Function
Degrades casein, gelatins of types I, III, IV, and V, and fibronectin. Activates procollagenase.

Cellular Location
Secreted, extracellular space, extracellular matrix

MMP7 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

MMP7 Antibody (Center) Blocking Peptide - Images

MMP7 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. MMP7 degrades proteoglycans, fibronectin, elastin and casein and differs from most MMP family members in that it lacks a conserved C-terminal protein domain. The enzyme is involved in wound healing, and studies in mice suggest that it regulates the activity of defensins in intestinal mucosa. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3.

MMP7 Antibody (Center) Blocking Peptide - References

Filippov, S., et al., J. Exp. Med. 198(6):925-935 (2003).Rivat, C., et al., FASEB J. 17(12):1721-1723 (2003).Fu, X., et al., J. Biol. Chem. 278(31):28403-28409 (2003).McGuire, J.K., et al., Am. J. Pathol. 162(6):1831-1843 (2003).Sumi, T., et al., Oncol. Rep. 10(2):345-349 (2003).