

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

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**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](/product/products/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**

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).