

**MMP11 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP13729b****Specification**

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**MMP11 Antibody (C-term) Blocking peptide - Product Information**

Primary Accession [P24347](#)

**MMP11 Antibody (C-term) Blocking peptide - Additional Information**

**Gene ID** 4320

**Other Names**

Stromelysin-3, SL-3, ST3, 3424-, Matrix metalloproteinase-11, MMP-11, MMP11, STMY3

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP13729b was selected from the C-term region of MMP11. 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.

**MMP11 Antibody (C-term) Blocking peptide - Protein Information**

**Name** MMP11

**Synonyms** STMY3

**Function**

May play an important role in the progression of epithelial malignancies.

**Cellular Location**

Secreted, extracellular space, extracellular matrix

**Tissue Location**

Specifically expressed in stromal cells of breast carcinomas

**MMP11 Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

#### **MMP11 Antibody (C-term) Blocking peptide - Images**

#### **MMP11 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 MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. However, the enzyme encoded by this gene is activated intracellularly by furin within the constitutive secretory pathway. Also in contrast to other MMP's, this enzyme cleaves alpha 1-proteinase inhibitor but weakly degrades structural proteins of the extracellular matrix.

#### **MMP11 Antibody (C-term) Blocking peptide - References**

Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010) : Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Nalpas, B., et al. Gut 59(8):1120-1126(2010) Ban, J.Y., et al. Life Sci. 86 (19-20), 756-759 (2010) : Romero, R., et al. Am. J. Obstet. Gynecol. 202 (5), 431 (2010) :