10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MMP16 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP13713b

Specification

MMP16 Antibody (C-term) Blocking peptide - Product Information

Primary Accession P51512

MMP16 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 4325

Other Names
Matrix metalloproteinase-16, MMP-16, 3424-, MMP-X2, Membrane-type matrix metalloproteinase 3, MT-MMP 3, MTMMP3, Membrane-type-3 matrix metalloproteinase, MT3-MMP, MT3MMP, MMP16, MMPX2

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP13713b was selected from the C-term region of MMP16. 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.

MMP16 Antibody (C-term) Blocking peptide - Protein Information

Name MMP16 (HGNC:7162)

Function
Endopeptidase that degrades various components of the extracellular matrix, such as collagen type III and fibronectin. Activates progelatinase A. Involved in the matrix remodeling of blood vessels. Isoform short cleaves fibronectin and also collagen type III, but at lower rate. It has no effect on type I, II, IV and V collagen. However, upon interaction with CSPG4, it may be involved in degradation and invasion of type I collagen by melanoma cells.

Cellular Location
[Isoform Long]: Cell membrane; Single-pass type I membrane protein; Extracellular side. Note=Localized at the cell surface of melanoma cells

Tissue Location

Expressed in heart, brain, placenta, ovary and small intestine. Isoform Short is found in the ovary

MMP16 Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

MMP16 Antibody (C-term) Blocking peptide - Images

MMP16 Antibody (C-term) Blocking peptide - Background

Endopeptidase that degrades various components of the extracellular matrix, such as collagen type III and fibronectin. Activates progelatinase A. Involved in the matrix remodeling of blood vessels. Isoform short cleaves fibronectin and also collagen type III, but at lower rate. It has no effect on type I, II, IV and V collagen. However, upon interaction with CSPG4, it may be involved in degradation and invasion of type I collagen by melanoma cells.