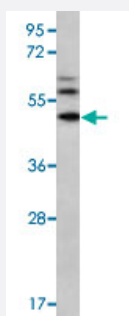


MMP16 polyclonal antibody

Catalog # PAB4784

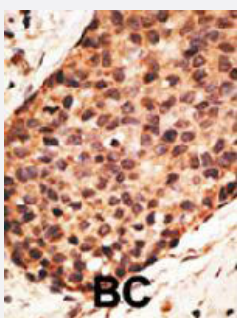
Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of MDA-MB-435 cell lysate (35 ug/lane) with MMP16 polyclonal antibody (Cat # PAB4784).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with MMP16 polyclonal antibody (Cat # PAB4784), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of MMP16.

Immunogen

A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human MMP16.

Host

Rabbit

Reactivity

Human

Form

Liquid

Purification

Protein A purification

Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of MDA-MB-435 cell lysate (35 ug/lane) with MMP16 polyclonal antibody (Cat # PAB4784).

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — MMP16

Entrez GeneID	4325
Protein Accession#	MM16_HUMAN
Gene Name	MMP16
Gene Alias	C8orf57, MMP-X2, MT-MMP2, MT-MMP3, MT3-MMP
Gene Description	matrix metalloproteinase 16 (membrane-inserted)
Omim ID	602262
Gene Ontology	Hyperlink

Gene Summary

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. This gene produces at least two transcripts, one which encodes a membrane-bound form and another a soluble form of the protein. Both forms of the protein activate MMP2 by cleavage. This gene was once referred to as MT-MMP2, but was renamed as MT-MMP3 or MMP16. [provided by RefSeq]

Other Designations

matrix metalloproteinase 16|matrix metalloproteinase 16 (membrane-inserted)|membrane-type matrix metalloproteinase 3|membrane-type-3 matrix metalloproteinase

Publication Reference

- [mRNA expression of the five membrane-type matrix metalloproteinases MT1-MT5 in human prostatic cell lines and their down-regulation in human malignant prostatic tissue.](#)

Jung M, Romer A, Keyszer G, Lein M, Kristiansen G, Schnorr D, Loening SA, Jung K.

Prostate 2003 May; 55(2):89.

- [Matrix metalloproteinases.](#)

Nagase H, Woessner JF Jr.

The Journal of Biological Chemistry 1999 Jul; 274(31):21491.

- [Identification of soluble type of membrane-type matrix metalloproteinase-3 formed by alternatively spliced mRNA.](#)

Matsumoto S, Katoh M, Saito S, Watanabe T, Masuho Y.

Biochimica et Biophysica Acta 1997 Nov; 1354(2):159.

Disease

- [Alzheimer disease](#)
- [Bronchopulmonary Dysplasia](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Chorioamnionitis](#)
- [Diabetes Complications](#)

- [Diabetes Mellitus](#)
- [Disease Progression](#)
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