# antibodies -online.com







# anti-MMP1 antibody (N-Term)



# **Images**



0	1 /	-	K	/1	-	1 A
u	\/	$\vdash$	I \	/ I	$\vdash$	1/1

Quantity:	100 μL
Target:	MMP1
Binding Specificity:	N-Term
Reactivity:	Human, Horse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

### **Product Details**

Purification:	Protein A purified
Characteristics:	This is a rabbit polyclonal antibody against MMP1. It was validated on Western Blot and immunohistochemistry.
Predicted Reactivity:	Horse: 77%, Human: 100%
Sequence:	PATLETQEQD VDLVQKYLEK YYNLKNDGRQ VEKRRNSGPV VEKLKQMQEF
Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human MMP1

# **Target Details**

Target:	MMP1
Alternative Name:	MMP1 (MMP1 Products)
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. MMP1 is a secreted enzyme which breaks down the interstitial collagens, types I, II, and III. 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 encodes a secreted enzyme which breaks down the interstitial collagens, types I, II, and III. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3.

Alias Symbols: CLG, CLGN

Protein Interaction Partner: SOX8, UBC, TNFSF11, CCL13, BCAN, TIMP1, ITGA2, MMP7, CCL7, CCL2, ACAN, TFPI, IGFBP3, COL2A1, CMA1, BSG, SERPINA3, CD44, F2R,

Protein Size: 469

Molecular Weight:	54 kDa
Gene ID:	4312
NCBI Accession:	NM_002421, NP_002412
UniProt:	P03956

# Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 469 AA
Restrictions:	For Research Use only

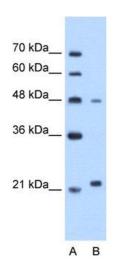
#### Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide

#### Handling

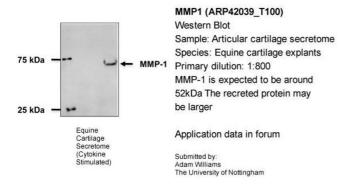
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### **Images**



#### **Western Blotting**

Image 1. WB Suggested Anti-MMP1 Antibody Titration:1.25ug/ml Positive Control: Jurkat cell lysate



# **Western Blotting**

Image 2. Sample Type: Equine Cartilage Explants

**Primary Dilution:** 1:800

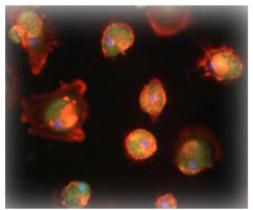
Secondary Antibody: Bio-Rad 170-5046

Secondary Dilution: 1:100,000

Image Submitted By: Adam Williams

University of Nottingham

#### MMP1



See Immunhistochemistry Data 1 for more information.

# **Immunohistochemistry**

Image 3. Sample Type: Human Macrophange Cells

**Green:** primary **Red:** phallodin **Blue:** DAPI

Yellow: green/red

**Primary Dilution:** 1:200

Secondary Antibody: anti-Rabbit IgG-FITC

**Secondary Dilution:** 1:1000

Image Submitted By: Milan Fiala

University of California, Los Angeles

Please check the product details page for more images. Overall 9 images are available for ABIN2777119.