

## Product datasheet for **TA356170**

### MMP1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human MMP1
Specificity:	<b>Expected reactivity:</b> Cow, Dog, Guinea Pig, Horse, Human, Rabbit <b>Homology:</b> Cow: 93%; Dog: 79%; Guinea Pig: 92%; Horse: 100%; Human: 100%; Rabbit: 100%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	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.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	52kDa
Gene Name:	matrix metalloproteinase 1
Database Link:	<a href="#">NP_002412</a> <a href="#">Entrez Gene 4312 Human</a> <a href="#">P03956</a>



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**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. 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.

**Synonyms:**

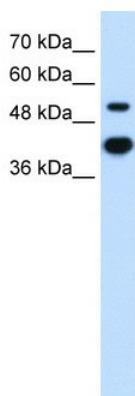
CLG; CLGN; MMP-1

**Protein Families:**

Druggable Genome, Protease, Secreted Protein

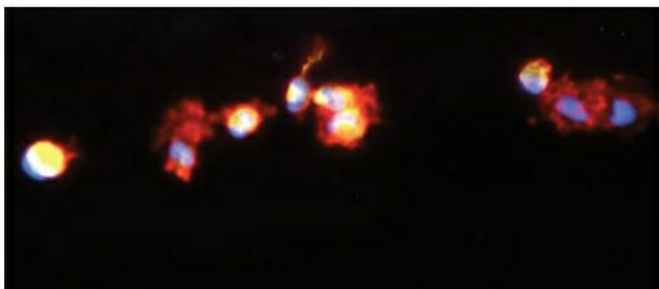
**Protein Pathways:**

Bladder cancer, Pathways in cancer, PPAR signaling pathway

**Product images:**

WB Suggested Anti-MMP1 Antibody Titration:  
2.5ug/ml  
Positive Control: HT1080 cell lysate  
MMP1 is supported by BioGPS gene expression data to be expressed in HT1080

## MMP1



**Sample Type:** Human Macrophange Cells

**Green:** primary

**Red:** phalloidin

**Blue:** DAPI

**Yellow:** green/red

**Primary**

**Dilution:** 1:200

**Secondary Antibody:** anti-Rabbit IgG-FITC

**Secondary**

**Dilution:** 1:1000

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