



## Rabbit Anti-MMP7 antibody

SL0423R

<b>Product Name:</b>	MMP7
<b>Chinese Name:</b>	基质金属蛋白酶-7抗体
<b>Alias:</b>	Matrilysin; Matrilysin uterine; Matrin; Matrix Metalloproteinase 7; MMP-7; MMP 7; MMP7; MPSL1; PUMP 1; Pump 1 protease; PUMP1; Uterine Matrilysin; Uterine metalloproteinase; MMP7_HUMAN.
<b>文献引用</b> PubMed :	<p><b>Specific References(4)</b> SL0423R has been referenced in 4 publications.</p> <p><b>[IF=3.73]</b>Zhu, Hongwu, et al. "Activating Transcription Factor 4 Promotes Esophageal Squamous Cell Carcinoma Invasion and Metastasis in Mice and Is Associated with Poor Prognosis in Human Patients." PloS one 9.7 (2014): e103882.<b>IHC-P;Human.</b>  <a href="#">PubMed:25078779</a></p> <p><b>[IF=4.17]</b>Madka, Venkateshwar, et al. "TP53 modulating agent, CP-31398 enhances antitumor effects of ODC inhibitor in mouse model of urinary bladder transitional cell carcinoma." American Journal of Cancer Research 5.10 (2015): 3030.<b>WB;Mouse.</b>  <a href="#">PubMed:26693057</a></p> <p><b>[IF=3.42]</b>Madka, Venkateshwar, et al. "TP53 modulating agent, CP-31398 enhances antitumor effects of ODC inhibitor in mouse model of urinary bladder transitional cell carcinoma." American journal of cancer research 5.10 (2015): 3030.<b>WB;Mouse.</b>  <a href="#">PubMed:26693057</a></p> <p><b>[IF=3.89]</b>Jeinsen, Niklas, et al. "Biocompatibility of intensified decellularized equine carotid arteries in a rat subcutaneous implantation model and in a human in vitro-model." Tissue Engineering (2017).<b>IF(ICC);Human.</b>  <a href="#">PubMed:28530164</a></p>
<b>Organism Species:</b>	Rabbit

<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human, Mouse, Rat,
<b>Applications:</b>	WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	30kDa
<b>Cellular localization:</b>	Extracellular matrix Secretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human MMP7:151-250/269
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>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. The enzyme encoded by this gene degrades proteoglycans, fibronectin, elastin and casein and differs from most MMP family members in that it lacks a conserved C-terminal protein domain. The enzyme is involved in wound healing, and studies in mice suggest that it regulates the activity of defensins in intestinal mucosa. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq, Jul 2008]</p> <p><b>Function:</b> Degrades casein, gelatins of types I, III, IV, and V, and fibronectin. Activates procollagenase.</p> <p><b>Subcellular Location:</b> Secreted, extracellular space, extracellular matrix (Probable).</p> <p><b>Similarity:</b> Belongs to the peptidase M10A family.</p> <p><b>SWISS:</b> P09237</p> <p><b>Gene ID:</b> 4316</p>

**Database links:**

[Entrez Gene: 4316](#)Human

[Entrez Gene: 17393](#)Mouse

[Entrez Gene: 25335](#)Rat

[Oimim: 178990](#)Human

[SwissProt: P09237](#)Human

[SwissProt: Q10738](#)Mouse

[SwissProt: P50280](#)Rat

[Unigene: 2256](#)Human

[Unigene: 4825](#)Mouse

[Unigene: 10282](#)Rat

**Important Note:**

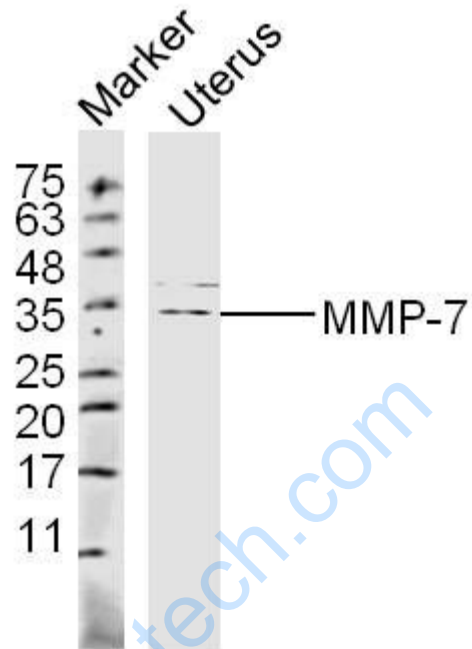
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**Synthesis and Degradation (Synthesis and Degradation)**

MMP7属于MMP基因家族的成员之一, MMP-

7又称溶基质蛋白素(Matrilysin), 其主要功能为降解粘蛋白、纤维连结蛋白和层粘连蛋白, 在Tumour细胞突破基底膜屏障和浸润、转移中起重要作用。目前主要用于各种恶性Tumour(如乳腺癌、胃肠道癌、卵巢癌、膀胱癌等)转移、浸润的研究及用于机体各种组织的发育和修复、Tumour发生发展、炎症反应等过程中作用的研究。

Picture:



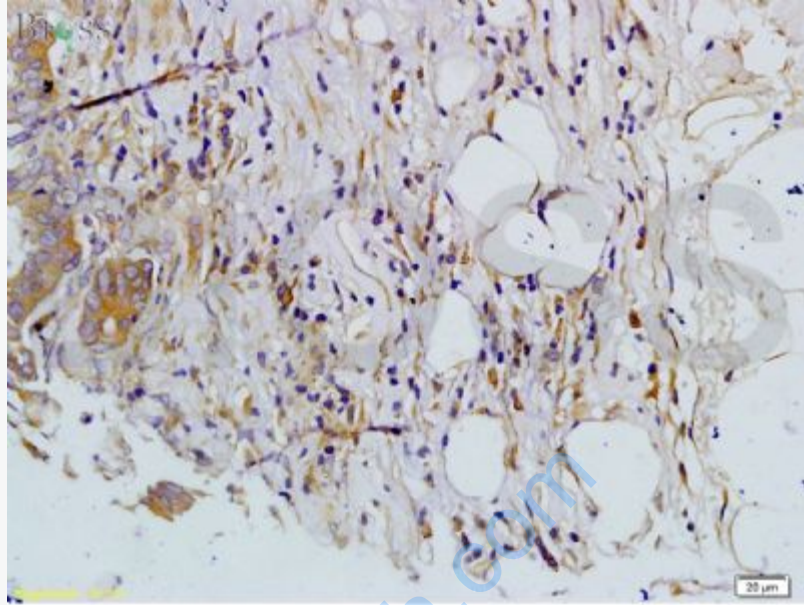
Sample: Uterus (Mouse) Lysate at 30 ug

Primary: Anti- MMP-7 (SL0423R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 30 kD

Observed band size: 34 kD



**bs-0423R Anti-MMP-7 Polyclonal Antibody**

Tissue/cell: human colon carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded  
Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min  
Block endogenous peroxidase by 3% Hydrogen peroxide for 30min  
Blocking buffer (normal goat serum) at 37°C for 20 min  
Incubation: Anti-MMP-7 Polyclonal Antibody, Unconjugated(bs-0423R) 1:200, overnight at 4°C,  
followed by conjugation to the secondary antibody and DAB staining

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