



## Rabbit Anti-MMP24 antibody

SL10718R

<b>Product Name:</b>	MMP24
<b>Chinese Name:</b>	基质金属蛋白酶-24抗体
<b>Alias:</b>	Matrix metallopeptidase 24 (membrane inserted); Matrix metallopeptidase 24; Membrane type 5 matrix metalloproteinase; Membrane type matrix metalloproteinase 5; Membrane-type matrix metalloproteinase 5; Membrane-type-5 matrix metalloproteinase; MMP 24; MMP 25; MMP-24; Mmp24; MMP24_HUMAN; MMP25; MT MMP5; MT-MMP 5; MT5 MMP; MT5-MMP; MT5MMP; MTMMP5; Processed matrix metalloproteinase-24.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Horse,Rabbit,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=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>	57kDa
<b>Cellular localization:</b>	The cell membraneSecretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human MMP24:151-250/645<Extracellular>
<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>	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. However, the protein encoded by this gene is a member of the membrane-type MMP (MT-MMP) subfamily; each member of this subfamily contains a potential transmembrane domain suggesting that these proteins are expressed at the cell surface rather than secreted. This protein activates MMP2 by cleavage. The gene has previously been referred to as MMP25 but has been renamed MMP24. [provided by RefSeq, Jul 2008]

**Function:**

Activates progelatinase A. May also be a proteoglycanase involved in degradation of proteoglycans, such as dermatan sulfate and chondroitin sulfate proteoglycans. Cleaves partially fibronectin, but not collagen type I, nor laminin.

**Subcellular Location:**

Cell membrane; Single-pass type I membrane protein; Extracellular side.  
Processed matrix metalloproteinase-24: Secreted, extracellular space, extracellular matrix. Note=Also shed from cell surface as soluble proteinase, by a proteolytic cleavage.

**Tissue Specificity:**

Expressed in brain. Expressed at low level in testis.

**Post-translational modifications:**

The precursor is cleaved by a furin endopeptidase.

**Similarity:**

Belongs to the peptidase M10A family.  
Contains 4 hemopexin-like domains.

**SWISS:**

Q9Y5R2

**Gene ID:**

10893

**Database links:**

[Entrez Gene: 10893](#)Human

[Entrez Gene: 83513](#)Rat

[Omim: 604871](#)Human

[SwissProt: Q9Y5R2](#)Human

[SwissProt: Q99PW6](#)Rat

[Unigene: 715494](#)Human

[Unigene: 3117](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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