



Rabbit Anti-Matrilin 1 antibody

SL1976R

Product Name:	Matrilin 1
Chinese Name:	软骨基质蛋白抗体
Alias:	Cartilage matrix protein; CMP; CRTM; Mat1; MATN1; Matrilin-1; MGC95132; Cartilage matrix protein 1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	55kDa
Cellular localization:	Extracellular matrixSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Matrilin 1:301-400/496
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	This gene encodes a member of von Willebrand factor A domain containing protein family. This family of proteins are thought to be involved in the formation of filamentous networks in the extracellular matrices of various tissues. Mutations of this gene have been associated with variety of inherited chondrodysplasias. [provided by RefSeq]

Function:

Cartilage matrix protein is a major component of the extracellular matrix of non-articular cartilage. It binds to collagen.

Subunit:

Homotrimer. Interacts with COMP.

Subcellular Location:

Secreted, extracellular space, extracellular matrix.

Similarity:

Contains 1 EGF-like domain.

Contains 2 VWFA domains.

SWISS:

P21941

Gene ID:

4146

Database links:

[Entrez Gene: 4146](#)Human

[Entrez Gene: 17180](#)Mouse

[Entrez Gene: 297894](#)Rat

[Omim: 115437](#)Human

[SwissProt: P21941](#)Human

[SwissProt: P51942](#)Mouse

[Unigene: 150366](#)Human

[Unigene: 271796](#)Mouse

[Unigene: 15159](#)Rat

Important Note:

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

Matrilins 是一组非胶原的Extracellular matrix蛋白家族, 该蛋白家族分别为 Matrilin-1, Matrilin-2, Matrilin-3 和 Matrilin-4 。

Matrilin-1 和 Matrilin-3 主要分布在生长的软骨组织中, Matrilin-2 和 Matrilin-4 分布较广, 主要分布于软骨的增殖和肥大区, 在软骨膜、骨膜及骨组织中, 而且, 它

也分布在许多非骨组织中, 如腱、韧带、真皮、心脏、平滑肌、消化道和呼吸道等。

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