

MATN1 / Matrilin 1 Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS13745**Specification**

MATN1 / Matrilin 1 Antibody (N-Terminus) - Product Information

Application	WB, IHC-P, E
Primary Accession	P21941
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A E~~N/A

MATN1 / Matrilin 1 Antibody (N-Terminus) - Additional Information**Gene ID** 4146**Other Names**

Cartilage matrix protein, Matrilin-1, MATN1, CMP, CRTM

Target/Specificity

Human MATN1

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

MATN1 / Matrilin 1 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

MATN1 / Matrilin 1 Antibody (N-Terminus) - Protein Information**Name** MATN1 ([HGNC:6907](#))**Function**

A major component of the extracellular matrix of non- articular cartilage (By similarity). Binds to type 2 collagens and forms long concatenated protein networks as part of the extracellular matrix (By similarity). Required for the network-like organization and bundling of collagen fibrils surrounding chondrocytes in the zones of maturation and hypertrophy (By similarity). Required for mechanotransduction and adaption to mechanical loading in cartilage chondrocytes, resulting in an increase in expression of the extracellular matrix components ACAN and COL2A1 (By similarity). Acts as a moderator of angiogenesis in response to injury (By similarity).

Cellular Location

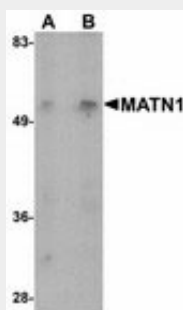
Secreted, extracellular space, extracellular matrix {ECO:0000250|UniProtKB:P05099}

MATN1 / Matrilin 1 Antibody (N-Terminus) - Protocols

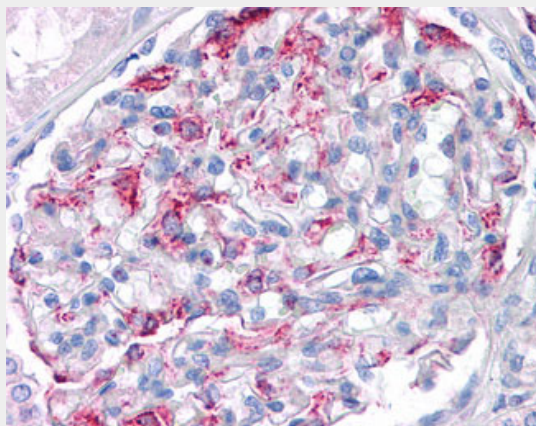
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MATN1 / Matrilin 1 Antibody (N-Terminus) - Images



Western blot of MATN1 in mouse liver tissue lysate with MATN1 antibody at (A) 1 and (B) 2 ug/ml.



Anti-MATN1 / Matrilin 1 antibody IHC of human kidney.

MATN1 / Matrilin 1 Antibody (N-Terminus) - Background

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

MATN1 / Matrilin 1 Antibody (N-Terminus) - References

- Jenkins R.N., et al. J. Biol. Chem. 265:19624-19631(1990).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Gregory S.G., et al. Nature 441:315-321(2006).
Mann H.H., et al. J. Biol. Chem. 279:25294-25298(2004).

