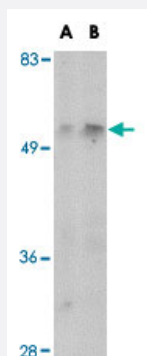


# MATN1 polyclonal antibody

Catalog # PAB16737      Size 100 ug

## Applications



### Western Blot (Tissue lysate)

Western blot analysis of MATN1 in mouse liver tissue lysate with MATN1 polyclonal antibody (Cat # PAB16737) at (A) 1 and (B) 2 ug/mL .

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of MATN1.
<b>Immunogen</b>	A synthetic peptide corresponding to N-terminus 12 amino acids of human MATN1.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat
<b>Form</b>	Liquid
<b>Recommend Usage</b>	Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.02% sodium azide)
<b>Storage Instruction</b>	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Tissue lysate)

Western blot analysis of MATN1 in mouse liver tissue lysate with MATN1 polyclonal antibody (Cat # PAB16737) at (A) 1 and (B) 2 ug/mL .

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — MATN1

Entrez GeneID	<a href="#">4146</a>
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Protein Accession#	<a href="#">NP_002370</a>
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Gene Name	MATN1
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Gene Alias	CMP, CRTM
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Gene Description	matrilin 1, cartilage matrix protein
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Omim ID	<a href="#">115437</a>
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Gene Ontology	<a href="#">Hyperlink</a>
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Gene Summary	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]
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Other Designations	OTTHUMP00000003805 cartilage matrix protein
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## Publication Reference

- [Enhancing and maintaining chondrogenesis of synovial fibroblasts by cartilage extracellular matrix protein matrilins.](#)

Pei M, Luo J, Chen Q.

Osteoarthritis and Cartilage 2008 Feb; 16(9):1110.

- [Characterization of the matrilin coiled-coil domains reveals seven novel isoforms.](#)

Frank S, Schulthess T, Landwehr R, Lustig A, Mini T, Jeno P, Engel J, Kammerer RA.

The Journal of Biological Chemistry 2002 Mar; 277(21):19071.

- [Assessment of the gene expression profile of differentiated and dedifferentiated human fetal chondrocytes by microarray analysis.](#)

Stokes DG, Liu G, Coimbra IB, Piera-Velazquez S, Crowl RM, Jimenez SA.

Arthritis and Rheumatism 2002 Feb; 46(2):404.

## Disease

- [Genetic Predisposition to Disease](#)
- [Osteoarthritis](#)
- [Prognathism](#)
- [Scoliosis](#)