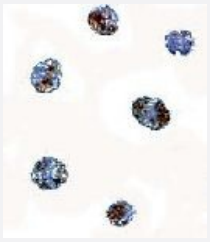
MATN3 polyclonal antibody

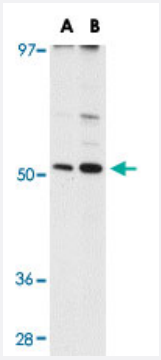
Catalog # PAB16732 Size 100 ug

Applications



Immunocytochemistry

Immunocytochemistry of MATN3 in NIH/3T3 cells with MATN3 polyclonal antibody (Cat # PAB16732) at 5 ug/mL .



Western Blot (Cell lysate)

Western blot analysis of MATN3 in NIH/3T3 cell lysate with MATN3 polyclonal antibody (Cat # PAB16732) at (A) 1 and (B) 2 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MATN3.
Immunogen	A synthetic peptide corresponding to C-terminus 13 amino acids from of human MATN3.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.

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Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunocytochemistry

  Immunocytochemistry of MATN3 in NIH/3T3 cells with MATN3 polyclonal antibody (Cat # PAB16732) at 5 ug/mL .

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Cell lysate)

  Western blot analysis of MATN3 in NIH/3T3 cell lysate with MATN3 polyclonal antibody (Cat # PAB16732) at (A) 1 and (B) 2 ug/mL .

Gene Info — MATN3

Entrez GeneID	4148
Protein Accession#	AAI39908
Gene Name	MATN3
Gene Alias	EDM5, HOA
Gene Description	matrilin 3
Omim ID	602109 607078 607850 608728
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of von Willebrand factor A domain containing protein family. This fa mily of proteins is thought to be involved in the formation of filamentous networks in the extracellul ar matrices of various tissues. This protein contains two von Willebrand factor A domains; it is pre sent in the cartilage extracellular matrix and has a role in the development and homeostasis of car tilage and bone. Mutations in this gene result in multiple epiphyseal dysplasia. [provided by RefSe q
Other Designations	matrilin-3 alternative transcript

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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

- Disease Progression
- Genetic Predisposition to Disease
- Osteoarthritis
- Osteochondrodysplasias
- Spondylarthritis

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