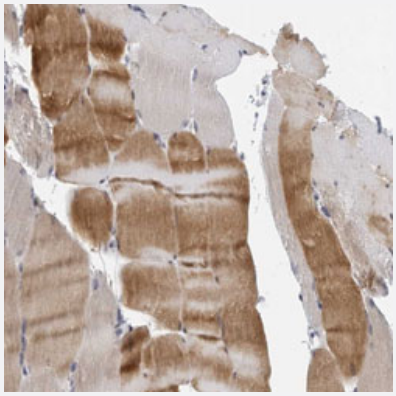
MATN1 polyclonal antibody

Catalog # PAB30991 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human skeletal muscle with MATN1 polyclonal antibody (Cat # PAB30991) shows moderate cytoplasmic positivity in myocytes.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human MATN1.
Immunogen	Recombinant protein corresponding to human MATN1.
Sequence	REIASEPVAEHYFYTADFKTINQIGKKLQKKICVEEDPCACESLVKFQAKVEGLLQALTRKLEAVSK RLAILENTVV
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).

Storage Instruction	Store at 4°C. For long term storage store at -20°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

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Gene Info — MATN1

Entrez GeneID	4146
Protein Accession#	P21941
Gene Name	MATN1
Gene Alias	CMP, CRTM
Gene Description	matrilin 1, cartilage matrix protein
Omim ID	115437
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of von Willebrand factor A domain containing protein family. This fa mily of proteins are thought to be involved in the formation of filamentous networks in the extracellu lar matrices of various tissues. Mutations of this gene have been associated with variety of inherit ed chondrodysplasias. [provided by RefSeq
Other Designations	OTTHUMP00000003805|cartilage matrix protein

Publication Reference

- Loss of matrilin 1 does not exacerbate the skeletal phenotype in a mouse model of multiple epiphyseal dysplasia caused by a Matn3 V194D mutation.

  Bell PA, Piróg KA, Fresquet M, Thornton DJ, Boot-Handford RP, Briggs MD.

  Arthritis and Rheumatism 2012 May; 64(5):1529.

  Application: IHC, WB-Ce, Mouse, Mouse chondrocytes, Mouse limbs

Disease

- Genetic Predisposition to Disease
- Osteoarthritis
- Prognathism
- Scoliosis