Rabbit MATN1 Polyclonal Antibody | anti-MATN1 antibody

MATN1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39700	**Rabbit**	**Human, Mouse, Rat**	**Immunofluorescence, Immunohistochemistry, Western Blot, ELISA**

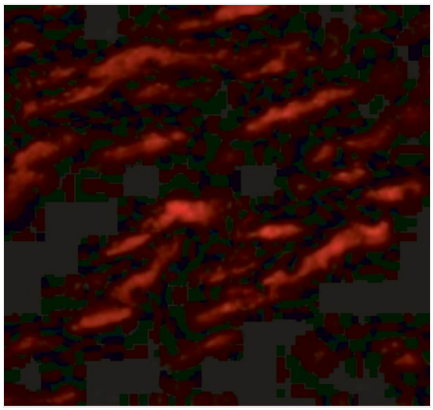
PRODUCT SYNONYMS

MATN1; Polyclonal Antibody; MATN1 Antibody; CMP; CRTM; Cartilage matrix protein; Matrilin-1; matrilin 1; cartilage matrix protein; anti-MATN1 antibody

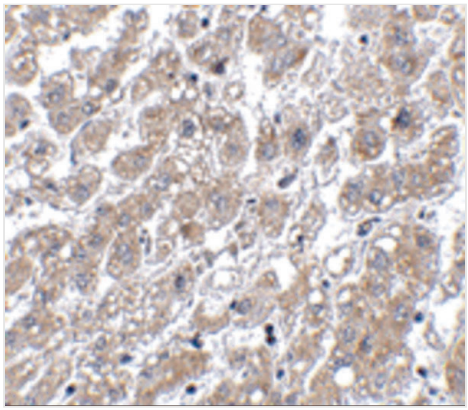
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	MATN1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	496
Applicable Applications for anti-MATN1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	MATN1 antibody was raised against a 13 amino acid synthetic peptide from near the carboxy terminus of human MATN1.
Buffer	MATN1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	MATN1 antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

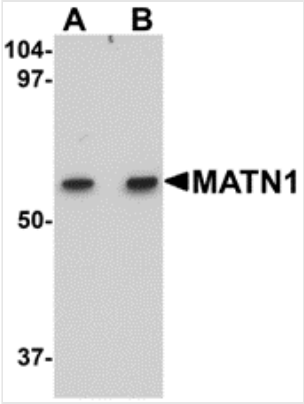
IMAGES



IF (Immunofluorescence)
Immunofluorescence of MATN1 in Human Liver cells with MATN1 antibody at 20 μg/mL.



IHC (Immunohiostchemistry)
Immunohistochemistry of MATN1 in human liver tissue with MATN1 antibody at 5 μg/mL.



WB (Western Blot)
Western blot analysis of MATN1 in rat liver tissue lysate with MATN1 antibody at (A) 1 and (B) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-MATN1 antibody	MATN1 Antibody: Matrilins (MATNs) are a family of non-collagenous extra-cellular matrix (ECM) proteins consisting of four known members that have been proposed to play key roles in modulating cellular phenotypes during chondrogenesis of mesenchymal stem cells (MSCs). MATN1 and MATN3 are expressed specifically in cartilage and are among the most up-regulated ECM proteins during chondrogenesis. MATN1 is composed of two Willebrand Factor A (vWFA) domains separated by one EGF-like domain, whereas MATN3 is composed of a single N-terminal vWFA domain followed by four epidermal growth factor (EGF) repeats and a coiled-coil domain. MATN1 or MATN3 may play a role in modulating chondrogenesis during the chondrocyte differentiation process. Mutations of this gene have been associated with variety of inherited chondrodysplasias. Recent studies show that the MATN1 promoter region was associated with both susceptibility and disease progression in Adolescent idiopathic scoliosis.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505111
NCBI GeneID	4146
NCBI Accession #	NP_002370
NCBI GenBank Nucleotide #	NM_002379.3
UniProt Accession #	P21941; Q5TBB9; B2R7E3
Molecular Weight	53,701 Da
NCBI Official Full Name	cartilage matrix protein
NCBI Official Synonym Full Names	matrilin 1, cartilage matrix protein
NCBI Official Symbol	MATN1
NCBI Official Synonym Symbols	CMP; CRTM
NCBI Protein Information	cartilage matrix protein
UniProt Protein Name	Cartilage matrix protein
UniProt Gene Name	**MATN1**
UniProt Synonym Gene Names	CMP; CRTM
UniProt Entry Name	MATN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.