

Rabbit MATN3 Polyclonal Antibody | anti-MATN3 antibody

MATN3 Antibody

CATALOG # AAA39979	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunocytochemistry, Western Blot, ELISA
------------------------------	-----------------------	--	---

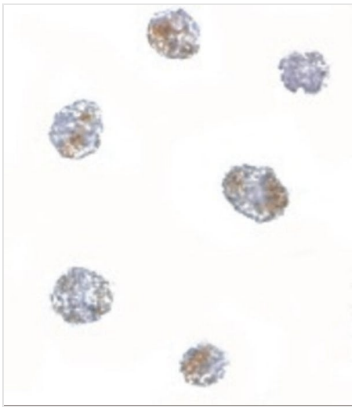
PRODUCT SYNONYMS

MATN3; Polyclonal Antibody; MATN3 Antibody; HOA; OS2; EDM5; DIPOA; OADIP; Matrilin-3; matrilin 3; anti-MATN3 antibody

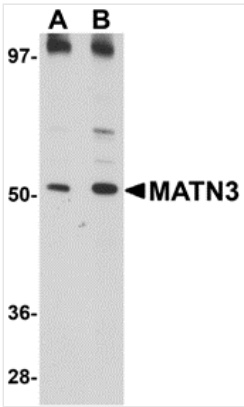
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	MATN3 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	486
Applicable Applications for anti-MATN3 antibody	ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	MATN3 antibody was raised against a 13 amino acid synthetic peptide from near the carboxy terminus of human MATN3.
Buffer	MATN3 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	MATN3 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



ICC (Immunocytochemistry)
Immunocytochemistry of MATN3 in 3T3 cells with MATN3 antibody at 5 µg/mL.



WB (Western Blot)
Western blot analysis of MATN3 in 3T3 cell lysate with MATN3 antibody at (A) 1 and (B) 2 µg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-MATN3 antibody	MATN3 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. MATN3 is composed of a single N-terminal von Willebrand Factor A (vWFA) domain followed by four epidermal growth factor (EGF) repeats and a coiled-coil domain whereas MATN1 is composed of two vWFA domains separated by one EGF-like 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 aberrant expression and processing of MATN3 are hallmarks of conventional cartilaginous neoplasms.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	146218451
NCBI GeneID	4148
UniProt Accession #	O15232; Q4ZG02; B2CPU0
Molecular Weight	48,317 Da
NCBI Official Full Name	Matrilin 3
NCBI Official Synonym Full Names	matrilin 3
NCBI Official Symbol	MATN3
NCBI Official Synonym Symbols	HOA; OS2; EDM5; DIPOA; OADIP
NCBI Protein Information	matrilin-3
UniProt Protein Name	Matrilin-3
UniProt Gene Name	MATN3
UniProt Entry Name	MATN3_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.