

Anti-Matrilin-3 MATN3 Antibody

Catalog Number: A04271

About MATN3

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.

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Overview

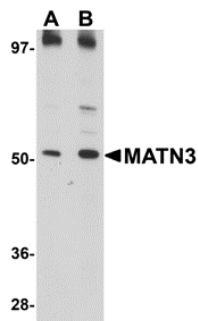
Product Name	Anti-Matrilin-3 MATN3 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Matrilin-3 MATN3 Antibody (Catalog # A04271). Tested in ELISA, WB, ICC applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, ICC, WB
Clonality	Polyclonal
Formulation	MATN3 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	MATN3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	O15232

Technical Details

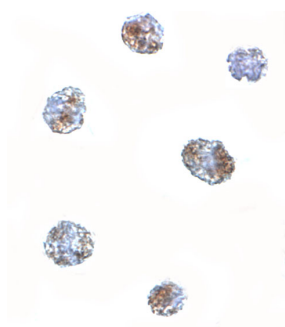
Immunogen	MATN3 antibody was raised against a 13 amino acid synthetic peptide from near the carboxy terminus of human MATN3. The immunogen is located within amino acids 400 - 450 of MATN3.
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Predicted Reactive Species	Chicken
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	MATN3 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	MATN3 antibody can be used for detection of Matn3 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunocytochemistry starting at 5 ug/mL. Antibody validated: Western Blot in mouse samples and Immunocytochemistry in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

Anti-Matrilin-3 MATN3 Antibody (A04271) Images



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



Immunocytochemistry of MATN3 in 3T3 cells with MATN3 antibody at 5 ug/mL.

[Anti-Matrilin-3 MATN3 Antibody](#)

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