BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Matrilin-4 MATN4 Antibody

Catalog Number: A11103

About MATN4

Matrilin (MATNs) are a family of non-collagenous extracellular matrix proteins consisting of four known members that have been proposed to play key roles in the formation of both collagen-dependent and collagen-independent filamentous networks. Members of the matrilin family all share a structure made up of von Willebrand factor A domains, epidermal growth factor-like domains and a coiled coil alpha-helical module. MATN1 and MATN3 are expressed mainly in cartilage, while MATN2 and MATN4 occur in a wide variety of extracellular matrices such as embryonic kidney, lung, bone, cartilage and nervous system. The matrilin genes are strictly and differently regulated and their expression may serve as markers for cellular differentiation. MATN4 could serve as an odontoblast differentiation marker, e.g. in odontoblast stem cell research.

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Overview

Product Name	Anti-Matrilin-4 MATN4 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Matrilin-4 MATN4 Antibody (Catalog # A11103). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	MATN4 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	MATN4 antibody can be stored at 4°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	O95460

Technical Details

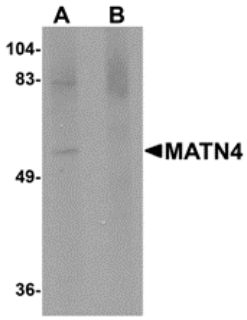
Immunogen	MATN4 antibody was raised against a 13 amino acid synthetic peptide near the amino terminus of human MATN4. The immunogen is located within amino acids 110 - 160 of MATN4.
Predicted Reactive Species	Bovine, Mouse

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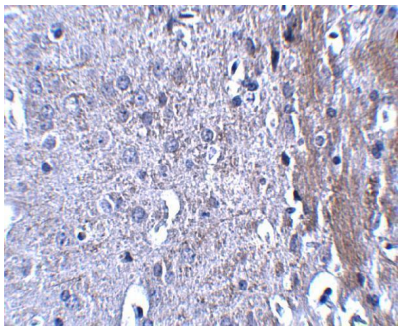
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	MATN4 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	MATN4 antibody can be used for detection of MATN4 by Western blot at 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in rat samples; Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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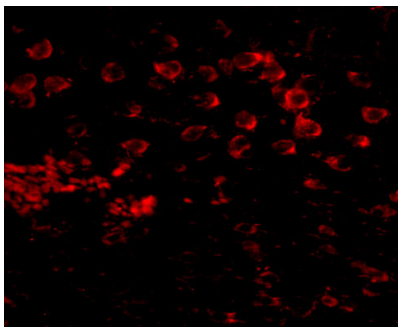
Anti-Matrilin-4 MATN4 Antibody (A11103) Images



Western blot analysis of MATN4 in rat brain tissue lysate with MATN4 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of MATN4 in mouse brain tissue with MATN4 antibody at 2.5 ug/mL.



Immunofluorescence of MATN4 in mouse brain tissue with MATN4 antibody at 20 ug/mL.

Anti-Matrilin-4 MATN4 Antibody

For Research Use Only. Not for use in diagnostic procedures.