

MATN2 Antibody

Catalog # ASC10876

Product Information

Application	WB, E
Primary Accession	O00339
Other Accession	NP_085072 , 62548862
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	106837
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	MATN2 antibody can be used for detection of MATN2 by Western blot at 1 - 2 μ g/mL.

Additional Information

Gene ID	4147
Other Names	Matrilin-2, MATN2
Target/Specificity	MATN2;
Reconstitution & Storage	MATN2 antibody can be stored at 4°C for three months and -20°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.
Precautions	MATN2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MATN2
Function	Involved in matrix assembly.
Cellular Location	Secreted.

Background

MATN2 Antibody: 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. 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. The matrilin genes are strictly and differently regulated and their expression may serve as markers for cellular differentiation and diseases such as astrocytoma and liver carcinoma. Recent studies show that MATN2 is a permissive substrate for axonal growth and cell migration, and it is required for successful nerve regeneration.

References

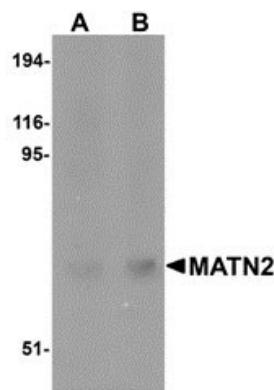
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Images



Western blot analysis of MATN2 in human liver tissue lysate with MATN2 antibody at (A) 1 and (B) 2 μ g/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.