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MATN2 Antibody
Catalog # ASC10876

Specification

MATN2 Antibody - Product Information

Application	**IF**
Primary Accession	O00339
Other Accession	NP_085072, 4147
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Application Notes	**MATN2 antibody can be used for detection of MATN2 by Western blot at 1 - 2 µg/mL.**

MATN2 Antibody - Additional Information

Gene ID **4147**

Target/Specificity
MATN2 antibody was raised against a 15 amino acid synthetic peptide from near the carboxy terminus of human MATN2.

The immunogen is located within amino acids 820 - 870 of MATN2.

Reconstitution & Storage
MATN2 antibody can be stored at 4℃ for three months and -20℃, 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.

MATN2 Antibody - Protein Information

Name MATN2

Function
Involved in matrix assembly.

Cellular Location
Secreted.

MATN2 Antibody - Protocols

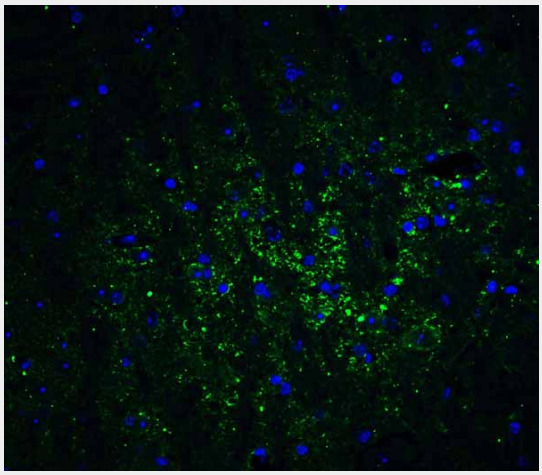
Provided below are standard protocols that you may find useful for product applications.

- Western Blot

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- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MATN2 Antibody - Images



Immunofluorescence of GABARAPL2 in mouse brain tissue with GABARAPL2 Antibodyat 20 µg/mL.

MATN2 Antibody - 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.

MATN2 Antibody - References

Pei M, Luo J, and Chen Q. Enhancing and maintaining chondrogenesis of synovial fibroblasts by cartilage extracellular matrix protein matrilins. Osteoarthritis Cartilage2008; 16:1110-7.
Frank S, Schulthess T, Landwehr R, et al. Characterization of the Matrilin Coiled-coil Domains Reveals Seven Novel Isoforms. J. Biol. Chem.2002; 277:19071-9.
Deak F, Wagener R, Kiss I, et al. The matrilins: a novel family of oligomeric extracellular matrix proteins. Matrix Biol.1999; 18:55-64.
Szabo E, Korpos E, Batmunkh E, et al. Expression of matrilin-2 in liver cirrhosis and hepatocellular carcinoma. Pathol. Oncol. Res.2008; 14:15-22.