

MATN3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP12958c

Specification

MATN3 Antibody (Center) - Product Information

WB,E Application **Primary Accession** 015232 NP 002372.1 Other Accession Reactivity Human Host **Rabbit** Clonality **Polyclonal** Isotype Rabbit IgG Calculated MW 52817 Antigen Region 220-248

MATN3 Antibody (Center) - Additional Information

Gene ID 4148

Other Names

Matrilin-3, MATN3

Target/Specificity

This MATN3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 220-248 amino acids from the Central region of human MATN3.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MATN3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

MATN3 Antibody (Center) - Protein Information

Name MATN3

Function Major component of the extracellular matrix of cartilage and may play a role in the



formation of extracellular filamentous networks.

Cellular Location

Secreted {ECO:0000250|UniProtKB:O35701}.

Tissue Location

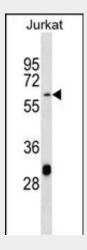
Expressed only in cartilaginous tissues, such as vertebrae, ribs and shoulders

MATN3 Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

MATN3 Antibody (Center) - Images



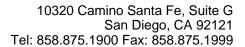
MATN3 Antibody (Center) (Cat. #AP12958c) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the MATN3 antibody detected the MATN3 protein (arrow).

MATN3 Antibody (Center) - Background

This gene encodes a member of von Willebrand factor A domain containing protein family. This family of proteins is thought to be involved in the formation of filamentous networks in the extracellular matrices of various tissues. This protein contains two von Willebrand factor A domains; it is present in the cartilage extracellular matrix and has a role in the development and homeostasis of cartilage and bone. Mutations in this gene result in multiple epiphyseal dysplasia.

MATN3 Antibody (Center) - References

Joslyn, G., et al. Alcohol. Clin. Exp. Res. 34(5):800-812(2010)





Zintzaras, E., et al. Am. J. Epidemiol. 171(8):851-858(2010) Otten, C., et al. Hum. Mutat. 31(3):254-263(2010) Klatt, A.R., et al. FEBS Lett. 583(22):3611-3617(2009) Vincourt, J.B., et al. Arthritis Rheum. 58(9):2798-2808(2008)