

Anti-Matrilin 3 Antibody
Catalog # ABO11230**Specification**

Anti-Matrilin 3 Antibody - Product Information

Application	WB
Primary Accession	O15232
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Matrilin-3(MATN3) detection. Tested with WB in Human.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-Matrilin 3 Antibody - Additional Information

Gene ID 4148

Other Names

Matrilin-3, MATN3

Calculated MW

52817 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization

Secreted.

Tissue Specificity

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

Protein Name

Matrilin-3

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminus of human Matrilin 3(466-486aa NTKLDDILEKLKINEYGQIHR).

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Sequence Similarities

Contains 4 EGF-like domains.

Anti-Matrilin 3 Antibody - 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}.

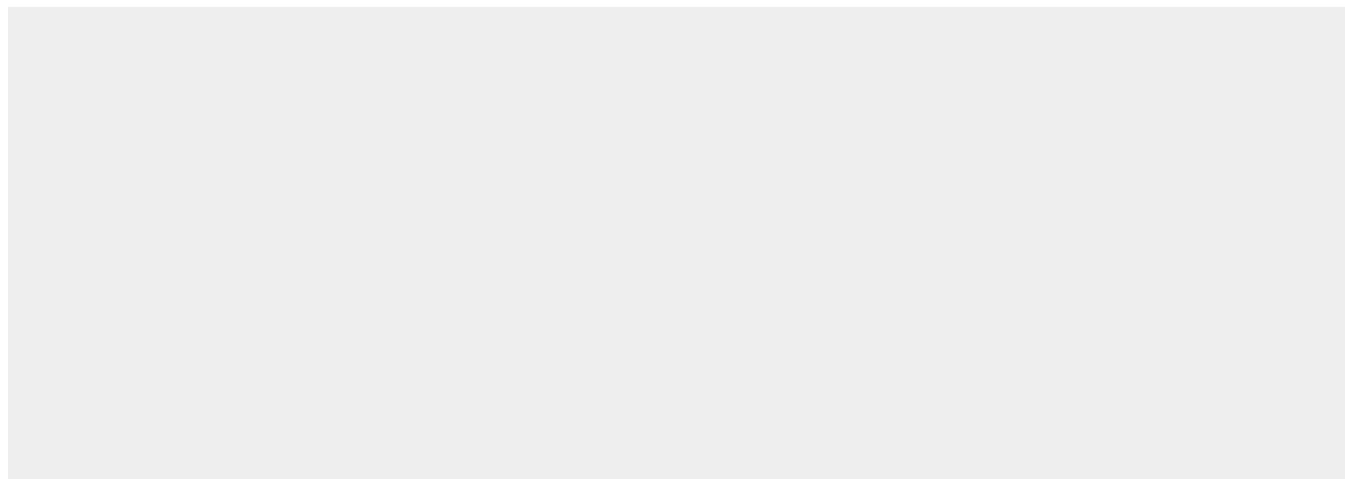
Tissue Location

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Anti-Matrilin 3 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Matrilin 3 Antibody - Images



Anti-Matrilin 3 antibody, ABO11230, Western blotting
Lane 1: 293T Cell Lysate
Lane 2: COLO320 Cell Lysate
Lane 3: HELA Cell Lysate
Lane 4: A549 Cell Lysate

Anti-Matrilin 3 Antibody - Background

MATN3(Matrilin-3) is a protein that in humans is encoded by the MATN3 gene. 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. By fluorescence in situ hybridization, Belluoccio et al.(1998) mapped the human MATN3 gene to chromosome 2p24-p23. Wagener et al.(2000) mapped the mouse Matn3 gene to the proximal end of chromosome 12, linked to the genes Synd1, Apob, Dtnb, and Kif3c. The human homologs of all 5 of these genes map to 2p23, indicating considerable homology of synteny. 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.