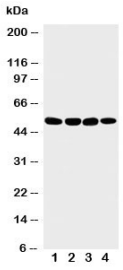
Matrilin 3 Antibody (R31027)

Catalog No.	Formulation	Size
R31027	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	O15232
Applications	Western blot: 0.5-1ug/ml
Limitations	This Matrilin 3 antibody is available for research use only.



Western blot testing with Matrilin 3 antibody; Lane 1: 293T; 2: COLO320; 3: HeLa; 4: A549 lysate

Description

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 though 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 gene to chromosome 2p24-p23. Wagener et al.(2000) mapped the mouse 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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Matrilin 3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human MATN3 (NTKLDDILEKLKINEYGQIHR) was used as the immunogen for this Matrilin 3 antibody.

Storage

After reconstitution, the Matrilin 3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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