

## Anti-Matrilin 3/MATN3 Antibody Picoband®

Catalog Number: PA1927

### About MATN3

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.

### Overview

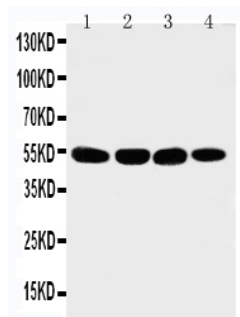
Product Name	Anti-Matrilin 3/MATN3 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-Matrilin 3/MATN3 Antibody catalog # PA1927. Tested in WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub> . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	O15232

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Matrilin 3.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.

Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human

## Anti-Matrilin 3/MATN3 Antibody Picoband® (PA1927) Images



Anti-Matrilin 3 antibody, PA1927, Western blotting  
Lane 1: 293T Cell Lysate  
Lane 2: COLO320 Cell Lysate  
Lane 3: HELA Cell Lysate  
Lane 4: A549 Cell Lysate

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