BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Metalloproteinase inhibitor 3 TIMP3 Antibody Picoband®

Catalog Number: PA1077

About TIMP3

Metalloproteinase inhibitor 3 is a protein that in humans is encoded by the TIMP3 gene. It is mapped to 22q12.1-q13.2. This gene belongs to the tissue inhibitor of metalloproteinases gene family. The proteins encoded by this gene family are inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of theextracellular matrix (ECM). Expression of this gene is induced in response to mitogenic stimulation and this netrin domain-containing protein is localized to the ECM. Mutations in this gene have been associated with the autosomal dominant disorder Sorsby's fundus dystrophy.

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Overview

Product Name	Anti-Metalloproteinase inhibitor 3 TIMP3 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Metalloproteinase inhibitor 3 TIMP3 Antibody catalog # PA1077. Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat. 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	ELISA, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *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	P35625

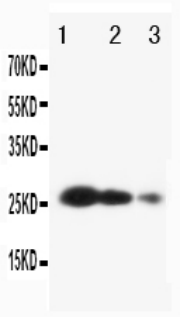
Technical Details

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Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human TIMP3, different from the related rat and mouse sequences by one amino acid.
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	ELISA, 0.1-0.5ug/ml, - Western blot, 0.1-0.5ug/ml, Human, Mouse, Rat

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Anti-Metalloproteinase inhibitor 3 TIMP3 Antibody Picoband® (PA1077) Images



Anti-TIMP3 antibody, PA1077, Western blottingLane 1: Recombinant Human TIMP3 Protein 10ngLane 2: Recombinant Human TIMP3 Protein 5ngLane 3: Recombinant Human TIMP3 Protein 2.5ng

2 Publications Citing This Product

1. PubMed ID: 17657847, Bai Yx, Yi Jl, Li Jf, Sui H. World J Gastroenterol. 2007 Jul 28;13(28):3883-5. Clinicopathologic Significance Of Bag1 And Timp3 Expression In Colon Carcinoma.

2. PubMed ID: 23819566, Promoter methylation and expression of TIMP3 gene in gastric cancer

Visit bosterbio.com/anti-timp3-antibody-pa1077-boster.html to see all 2 publications.

Anti-Metalloproteinase inhibitor 3 TIMP3 Antibody

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