BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
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Anti-IFITM1 Antibody Picoband®

Catalog Number: PA1112

About IFITM1

Interferon-induced Transmembrane Protein 1 (IFITM1), also called Interferon-induced Protein 17 (IFI17). IFITM1 activity is required for primordial germ cells (PGCs) transit from the mesoderm into the endoderm, and that it appears to act via a repulsive mechanism, such that PGCs avoid Ifitm1-expressing tissues. It is mapped to Chr.11 and belongs to the family of interferon-induced transmembrane proteins (Ifitm/mil/fragilis), which encodes cell surface proteins that may modulate cell adhesion and influence cell differentiation. Interferon-inducible membrane proteins of approximately 17 kDa have been suggested to play a role in the antiproliferative activity of interferons based on their pattern of induction in interferon-sensitive and -resistant cell lines and the ability of a membrane fraction enriched in 17-kDa proteins to inhibit cell growth.

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Overview

Product Name	Anti-IFITM1 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-IFITM1 Antibody catalog # PA1112. Tested in IHC, 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	IHC, 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	P13164

BOSTER
antibody and ELISA experts

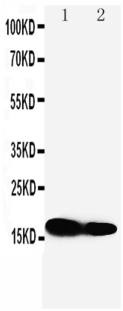
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Technical Details

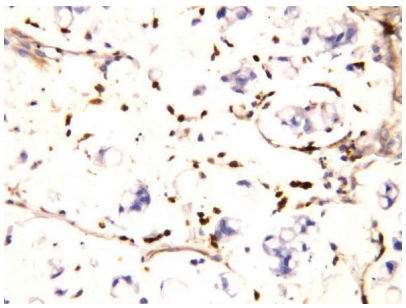
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human IFITM1.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P) and IHC(F).
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	Immunohistochemistry (Frozen Section), 0.5-1ug/ml, Human, - Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human Western blot, 0.1-0.5ug/ml, Human

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Anti-IFITM1 Antibody Picoband® (PA1112) Images



Anti-IFITM1 antibody, PA1112, Western blottingLane 1: SW620 Cell LysateLane 2: CEM Cell Lysate



Anti-IFITM1 antibody, PA1112, IHC(P)IHC(P): Human Intestinal Cancer Tissue

3 Publications Citing This Product

1. PubMed ID: 20428811, Ma Y, Zhang G, Fu X, Xia O, Zhan C, Li L, Wang Z, Wu B. Oncol Rep. 2010 Jun;23(6):1569-76. Wnt Signaling May Be Activated In A Subset Of Peutz-Jeghers Syndrome Polyps Closely Correlating To Lkb1 Expression.

2. PubMed ID: 19499152, Xu Y, Yang G, Hu G. Acta Biochim Biophys Sin (Shanghai). 2009 Jun;41(6):488-94. Binding Of Ifitm1 Enhances The Inhibiting Effect Of Caveolin-1 On Erk Activation.

3. PubMed ID: 16847454, Yang G, Xu Y, Chen X, Hu G. Oncogene. 2007 Jan 25;26(4):594-603. Epub 2006 Jul 17. Ifitm1 Plays An Essential Role In The Antiproliferative Action Of Interferon-Gamma.

Visit bosterbio.com/anti-ifitm1-antibody-pa1112-boster.html to see all 3 publications.

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