BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Resistin/RETN Antibody Picoband®

Catalog Number: PB9412

About RETN

Resistin, also known as adipose tissue-specific secretory factor (ADSF) or C/EBP-epsilon-regulated myeloid-specific secreted cysteine-rich protein (XCP1) is a cysteine-rich protein that in humans is encoded by the RETN gene. The resistin gene comprises 4 exons, the first of which is untranslated, and spans approximately 1,750 bp. The human resistin gene is localized to a cloned fragment of human chromosome 19. In primates, pigs and dogs, resistin is secreted by immune and epithelial cells while in rodents, it is secreted by adipose tissue. Resistin is a cytokine whose physiologic role has been the subject of much controversy regarding its involvement with obesity and type II diabetes mellitus.

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Overview

Product Name	Anti-Resistin/RETN Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-Resistin/RETN Antibody Picoband® catalog # PB9412. Tested in ELISA, 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	ELISA, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9 mg NaCl, 0.2 mg Na2HPO4, and 0.05 mg 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	Q9HD89

Technical Details

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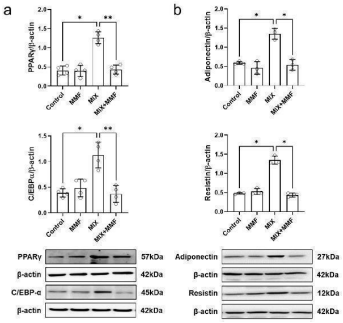
Immunogen	E. coli-derived human Resistin recombinant protein (Position: K19-P108). Human Resistin shares 58.6% amino acid (aa) sequence identity with mouse Resistin.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	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 , - ELISA, 0.1-0.5ug/ml, -

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Anti-Resistin/RETN Antibody Picoband® (PB9412) Images



Western blot analysis of Resistin using anti-Resistin antibody (PB9412). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. Lane 1: Recombinant Human Resistin Protein 0.5ng. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Resistin antigen affinity purified polyclonal antibody (Catalog # PB9412) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for Resistin at approximately 11 kDa. The expected band size for Resistin is at 11 kDa.



Monomethyl fumarate (MMF) fully suppresses differentiation mixture (MIX)-induced protein expression of the transcription factors peroxisome proliferator-activated receptor gamma (PPARgamma) and CCAAT/enhancer-binding protein alpha (C/EBP-alpha) (a) as well as the adipokines, resistin and adiponectin (b). Cellular protein abundance was assessed by Western blotting. Data are expressed as the means ± standard deviation; * $p < 0.05$ and ** $p < 0.01$. Index in PubMed under a CC BY license. PMID: 39765824

Anti-Resistin/RETN Antibody

For Research Use Only. Not for use in diagnostic procedures.