

## 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.

### 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 Na <sub>2</sub> HPO <sub>4</sub> , and 0.05 mg 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	Q9HD89

### Technical Details

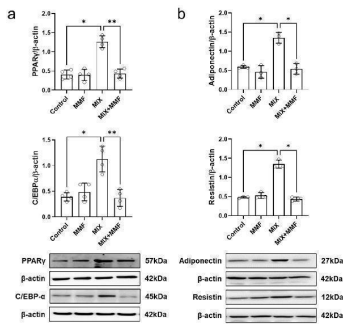
Immunogen	E. coli-derived human Resistin recombinant protein (Position: K19-P108). Human Resistin shares 58.6% amino acid (aa) sequence identity with mouse Resistin.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.

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, -

## 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  $\pm$  standard deviation; \*  $p < 0.05$  and \*\*  $p < 0.01$ . Index in PubMed under a CC BY license. PMID: 39765824

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### Anti-Resistin/RETN Antibody

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