

Datasheet for ABIN3043196
anti-Resistin antibody (C-Term)



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1 Image

Overview

Quantity:	100 µg
Target:	Resistin (RETN)
Binding Specificity:	AA 93-114, C-Term
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Resistin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Anti-Resistin/RETN Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of mouse Resistin.
Sequence:	CHCQCARIDW TAARCCKLQV AS
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-Resistin/RETN Antibody (ABIN3043196). Tested in IHC, WB applications. This antibody reacts with Mouse. 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.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: Resistin (RETN)

Alternative Name: RETN ([RETN Products](#))

Background: Synonyms: Resistin, Adipose tissue-specific secretory factor, ADSF, Adipose-specific cysteine-rich secreted protein A12- α , Cysteine-rich secreted protein FIZZ3, Retn, Fizz3,
Tissue Specificity: Expressed in white but not brown adipose tissue in a variety of organs.
Background: Resistin, also known as adipose tissue-specific secretory factor (ADSF) or C/EBP- ϵ -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.
Sequence Similarities: Belongs to the cyclophilin-type PPlase family. PPlase D subfamily.

Molecular Weight: 38 kDa

UniProt: [Q99P87](#)

Pathways: [Feeding Behaviour](#), [Smooth Muscle Cell Migration](#)

Application Details

Application Notes: Immunohistochemistry (Paraffin-embedded Section), 0.5-1 μ g/mL, Mouse
Western blot, 0.1-0.5 μ g/mL, Mouse
1. Holcomb, I. N., Kabakoff, R. C., Chan, B., Baker, T. W., Gurney, A., Henzel, W., Nelson, C., Lowman, H. B., Wright, B. D., Skelton, N. J., Frantz, G. D., Tumas, D. B., Peale, F. V., Jr., Shelton, D. L., Hebert, C. C. FIZZ1, a novel cysteine-rich secreted protein associated with pulmonary inflammation, defines a new gene family. EMBO J. 19: 4046-4055, 2000. 2. Steppan, C. M., Bailey, S. T., Bhat, S., Brown, E. J., Banerjee, R. R., Wright, C. M., Patel, H. R., Ahima, R. S., Lazar, M. A. The hormone resistin links obesity to diabetes. Nature 409: 307-312, 2001. 3. Wang, H., Chu, W. S., Hemphill, C., Elbein, S. C. Human resistin gene: molecular scanning and evaluation of association with insulin sensitivity and type 2 diabetes in Caucasians. J. Clin. Endocr. Metab. 87: 2520-2524, 2002.

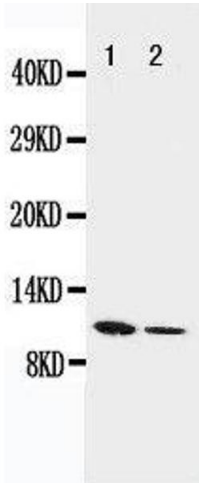
Application Details

Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Thimerosal (Merthiolate) and Sodium azide: POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C, -20 °C
Storage Comment:	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.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Anti-Resistin antibody, Western blotting Lane 1: Recombinant Mouse Resistin Protein 10ng Lane 2: Recombinant Mouse Resistin Protein 5ng