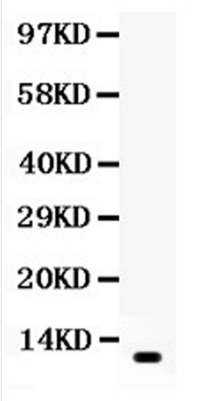
Resistin (RETN) Antibody – Polyclonal

PRODUCT OVERVIEW

Product Name	Resistin (RETN), Polyclonal Antibody
Full Product Name	Anti-Resistin Antibody
Product Gene Name	anti-RETN antibody
Product Synonym Names	Resistin; Adipose tissue specific secretory factor; Adipose tissue-specific secretory factor; ADSF; C/EBP epsilon regulated myeloid specific secreted cysteine rich protein; C/EBP epsilon regulated myeloid specific secreted cysteine rich protein precursor 1; C/EBP-epsilon-regulated myeloid-specific secreted cysteine-rich protein; CG5403; Cysteine rich secreted protein A12 alpha like 2; Cysteine rich secreted protein FIZZ3; Cysteine-rich secreted protein A12-alpha-like 2; Cysteine-rich secreted protein FIZZ3; dri; FIZZ 3; FIZZ3; Found in inflammatory zone 3; HXCP 1; HXCP1; MGC126603; MGC126609; PRO1199; Resistin; Resistin delta2; RETN 1; RETN; RETN_HUMAN; RETN1; RSTN; UNQ407; XCP 1; XCP1; resistin
Clonality	Polyclonal
Species Reactivity	Human
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Purity/Purification	Immunogen Affinity Purified
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.
Molecular Weight	8,686 Da
OMIM	605565
3D Structure	ModBase 3D Structure for Q9HD89
Immunogen	E Coli-derived human Resistin recombinant protein (Position: K19-P108). Human Resistin shares 58.6% amino acid (aa) sequence identity with mouse Resistin.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-RETN antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-RETN antibody	ELISA Concentration: 0.1-0.5ug/ml Western Blot Concentration: 0.1-0.5ug/ml
Related Product Information for anti-RETN antibody	Description: Rabbit IgG polyclonal antibody for Resistin(RETN) detection. Tested with WB, ELISA in Human. Background: 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.

Product References and Citations for anti-RETN antibody	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.
Other Notes	Small volumes of anti-RETN antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for RETN purchase	MBS178339 is an antibody targeting RETN. Also known as Anti-Resistin Antibody. Reactive in Human.



Western Blot (WB) of anti-RETN antibody
Anti- ResistinPicoband antibody, MBS178339, Western blottingAll lanes: Anti Resistin (MBS178339) at 0.5ug/mlWB: Recombinant Human Resistin Protein 0.5ngPredicted bind size: 11KDObserved bind size: 11KD

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RETN. It may not necessarily be applicable to this product.

NCBI GI #	301129180
NCBI GeneID	56729
NCBI Accession #	NP_001180303.1
UniProt Primary Accession #	Q9HD89
UniProt Secondary Accession #	Q540D9; Q76B53; D6W649
UniProt Related Accession #	Q9HD89
GenBank Nucleotide #	NM_001193374.1
NCBI Official Full Name	resistin
NCBI Official Synonym Full Names	resistin
NCBI Official Symbol	RETN
NCBI Official Synonym Symbols	ADSF; RSTN; XCP1; FIZZ3; RETN1
UniProt Protein Name	Resistin
UniProt Synonym Protein Names	Adipose tissue-specific secretory factor; ADSF; C/EBP-epsilon-regulated myeloid-specific secreted cysteine-rich protein; Cysteine-rich secreted protein A12-alpha-like 2; Cysteine-rich secreted protein FIZZ3
Protein Family	Protein dead ringer
UniProt Gene Name	RETN

UniProt Synonym Gene Names	FIZZ3; HXCP1; RSTN; ADSF
UniProt Entry Name	RETN_HUMAN
NCBI Protein Information	resistin
NCBI Summary for RETN	This gene belongs to the family defined by the mouse resistin-like genes. The characteristic feature of this family is the C-terminal stretch of 10 cys residues with identical spacing. The mouse homolog of this protein is secreted by adipocytes, and may be the hormone potentially linking obesity to type II diabetes. Alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2010]
UniProt Comments for RETN	resistin: Hormone that seems to suppress insulin ability to stimulate glucose uptake into adipose cells. Potentially links obesity to diabetes. Belongs to the resistin/FIZZ family. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 19p13.2 Cellular Component: extracellular space; nucleus Molecular Function: hormone activity Biological Process: aging; fat cell differentiation; positive regulation of smooth muscle cell migration; positive regulation of smooth muscle cell proliferation; positive regulation of synaptic transmission; response to insulin stimulus; response to mechanical stimulus Disease: Diabetes Mellitus, Noninsulin-dependent
Research Articles on RETN	**1.** Although the inflammatory hypothesis appears promising, the role of resistin in the pathophysiology of Metabolic Syndrome, diabetes mellitus and Cardiovascular disease remains incompletely understood.
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