



20150720BB

Anti-Human Resistin (#9F28)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	101-M618
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse) immunized with recombinant human Resistin.

Target Background

Synonyms (Target):	RETN; ADSF; RSTN; XCP1; FIZZ3; RETN1
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Resistin belongs to a family of tissue-specific cytokines termed FIZZ (found in inflammatory zones) and RELM. The three known members of this family; Resistin, RELM- α and RELM- β share a highly conserved C-terminal domain, characterized by 10 cysteine residues with a unique spacing motif of C-X11-C-X8-C-X-C-X3-C-X10-C-X-C-X-C-X9-C-C. Resistin is an adipose-derived cytokine (adipokine) whose physiological function and molecular targets are largely unknown. Studies have shown that Resistin suppresses insulin's ability to stimulate glucose uptake, and postulated that Resistin might be an important link between obesity and Type 2 diabetes. Other studies have indicated that Resistin expression is severely suppressed in obesity and that it may act as a feedback regulator of Adipogenesis.

Database References Target

Protein RefSeq:	NP_065148
Uniprot ID:	Q9HD89
mRNA RefSeq:	NM_020415

Product Specifications

Host	Mouse
Reactivity against	Human
Clonality	Monoclonal Antibody
Clone	(#9F28)
Isotype	IgG2
Purification	Protein G chromatography
Antigen	recombinant human Resistin
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody was selected for its ability to detect human Resistin.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

WB, IHC (P)

Recommended usage:

WB: Use at 1:500-1000

IHC (Paraffin):

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!



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Application/Handling

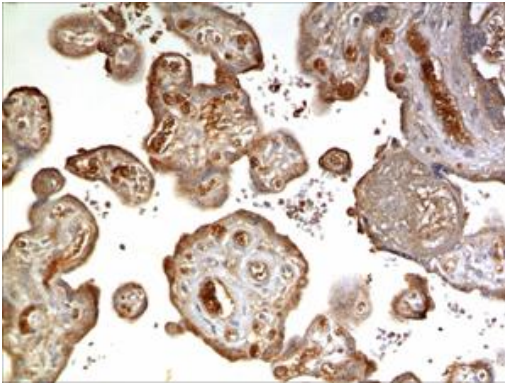


Fig. 1: A 10% Buffer formalin fixed and paraffin embedded human placental tissue section (4um) is subjected to IHC staining using a mouse anti-human Resistin monoclonal antibody. Tissue section was pretreated in citric buffer (ph6.0) with microwave for antigen retrieval before IHC is applied.