



20180823DS

Anti-Human Adiponectin

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

Cat.-no.:	102-P102
Size:	100 µg
Lot. No.:	According to product label

Preparation: Produced from sera of rabbits immunized with highly pure Recombinant Human Adiponectin. Anti-Human Adiponectin-specific antibody was purified by affinity chromatography employing an immobilized Human Adiponectin matrix.

Target Background

Synonyms (Target):	Acrp-30, GBP-28, APM-1, Gelatin-binding protein, AdipoQ
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Adiponectin is an adipose-derived secreted protein containing 226 amino acid residues. It is relatively abundant in humans and rodents, accounting for about 0.01% of total plasma protein. The circulating levels of adiponectin are decreased under conditions of obesity, insulin resistance, and type II diabetes. Disruption of adiponectin in mice causes insulin resistance and neointimal formation. Conversely, administration of recombinant adiponectin suppresses hepatic glucose production, and reverses insulin resistance associated with both lipotrophy and obesity. The protective role of adiponectin is attributed to its anti-inflammatory properties (e.g. ability to suppress expression of TNF- α and class A scavenger receptor in macrophages).

Database References Target

Protein RefSeq:	NP_001171271
Uniprot ID:	Q15848
mRNA RefSeq:	NM_001177800

Product Specifications

Host	Rabbit
Reactivity against	Human
Clonality	Polyclonal Antibody
Isotype	Rabbit IgG
Purification	Antigen-affinity purified
Antigen	Hi-5 Insect cells derived Recombinant Human Adiponectin (#100-121)
Formulation	lyophilized from PBS
Reconstitution buffer	water

Remarks:

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

Sandwich ELISA: To detect Human Adiponectin by sandwich ELISA (using 100µl/well) a concentration of 0.5-2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with a Biotinylated Anti-Human Adiponectin as a detection antibody, allows the detection of at least 2000-4000 pg/ml of Recombinant Human Adiponectin.

Western Blot: To detect Human Adiponectin by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/ml. When used in conjunction with compatible secondary reagents the detection limit for Recombinant Human Adiponectin is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.

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