

AM31966PU-N**Monoclonal Antibody to Adiponectin - Aff - Purified**

Alternate names:	30 kDa adipocyte complement-related protein, ACDC, ACRP30, ADIPOQ, APM1, Adipocyte, Adipocyte complement-related 30 kDa protein, Adipose most abundant gene transcript 1 protein, C1q and collagen domain-containing protein, GBP28, Gelatin-binding protein
Quantity:	0.5 mg
Background:	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)
Uniprot ID:	Q15848
NCBI:	NP_001171271
GeneID:	9370
Host:	Mouse
Immunogen:	Hi-5 Insect cells derived Recombinant Human Adiponectin.
Format:	State: Lyophilized purified cell culture Purification: Affinity Chromatography Protein A
Applications:	ELISA: In a Sandwich ELISA (assuming 100 μ l/well), a concentration of 2.0-4.0 μ g/ml of this antibody will detect at least 500 pg/well of recombinant Human Adiponectin when used in conjunction with compatible detection reagents at a concentration of approximately 0.5-1.0 μ g/ml. Western Blot: To detect Human Adiponectin by Western Blot analysis this antibody can be used at a concentration of 1.0-2.0 μ g/ml. When used in conjunction with compatible secondary reagents the detection limit for recombinant Human Adiponectin is 0.5-1.0 ng/lane, under reducing conditions and 1.0-2.0 ng/lane, under non-reducing conditions. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes Adiponectin. Species: Human. Other species not tested.
Storage:	Store the antibody prior to reconstitution at -20°C. Following reconstitution the antibody can be stored at 2-8°C for one month or at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

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