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Anti-Adiponectin (Marker of Obesity) Antibody
Mouse Monoclonal Antibody
Catalog # AH13614

Specification

Anti-Adiponectin (Marker of Obesity) Antibody - Product Information

Application	**IHC-P, IF, FC, E**
Primary Accession	Q15848
Other Accession	80485
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**Mouse / IgG2b**
Calculated MW	**26414**

Anti-Adiponectin (Marker of Obesity) Antibody - Additional Information

Gene ID 9370

Other Names
Adiponectin; Adipocyte complement-related 30kDa protein (ACRP30); Adipocyte-specific secretory protein; Adiponectin, C1Q and collagen domain containing (ACDC); ADIPOQ; Adipose most abundant gene transcript 1 protein; Adipose specific collagen like factor; ADIPQTL1; ADPN; APM-1; Gelatin-binding protein 28 (GBP28)

Application Note
IHC-P~~N/A<br \>IF~~1:50~200<br \>FC~~1:10~50<br \>E~~N/A

Format
200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage
Store at 2 to 8°C.Antibody is stable for 24 months.

Precautions
Anti-Adiponectin (Marker of Obesity) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-Adiponectin (Marker of Obesity) Antibody - Protein Information

Name ADIPOQ

Function
Important adipokine involved in the control of fat metabolism and insulin sensitivity, with direct anti-diabetic, anti-atherogenic and anti-inflammatory activities. Stimulates AMPK phosphorylation

and activation in the liver and the skeletal muscle, enhancing glucose utilization and fatty-acid combustion. Antagonizes TNF-alpha by negatively regulating its expression in various tissues such as liver and macrophages, and also by counteracting its effects. Inhibits endothelial NF-kappa-B signaling through a cAMP-dependent pathway. May play a role in cell growth, angiogenesis and tissue remodeling by binding and sequestering various growth factors with distinct binding affinities, depending on the type of complex, LMW, MMW or HMW.

Cellular Location
Secreted.

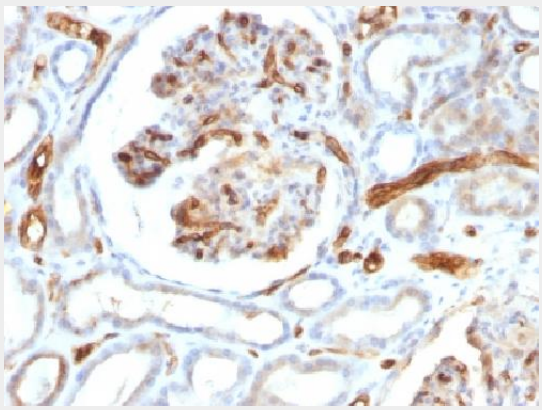
Tissue Location
Synthesized exclusively by adipocytes and secreted into plasma.

Anti-Adiponectin (Marker of Obesity) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Adiponectin (Marker of Obesity) Antibody - Images



Formalin-fixed, paraffin-embedded human Kidney stained with Adiponectin Monoclonal Antibody (ADPN/1370).

Anti-Adiponectin (Marker of Obesity) Antibody - Background

This MAb reacts with adiponectin, an adipocytokine. Adipocytokines are hormones produced in adipose tissue. Adiponectin is abundantly present in plasma and has insulin like effect on glucose levels in the blood. Plasma adiponectin levels are low in insulin resistant patients who are obese, have diabetes mellitus type 2 or HIV-lipodystrophy. In women adiponectin levels tend to be higher than in men, which may be due to androgens suppressing adiponectin levels. Furthermore adiponectin and leptin are both indicated in regulating body weight through direct action on the hypothalamus, influencing appetite. Obese people have low adiponectin levels while levels in anorexia patients are high. Adiponectin acts as ligand for various receptors, two of which have been

identified, one probably involved in carbohydrate assimilation, the other in tuning the rate of metabolism.