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Adiponectin Antibody

Rabbit mAb
Catalog # AP93073

Product Information

Application	WB, IHC
Primary Accession	Q15848
Reactivity	Human
Clonality	Monoclonal
Other Names	ACDC; ACRP30; Adipocyte; Adiponectin; Adiponectin precursor; Adipoq; ADIPQTL1; ADPN; APM1; GBP28; Gelatin binding protein 28;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	26414

Additional Information

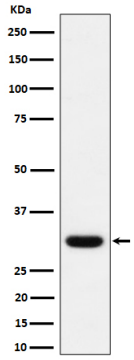
Dilution	WB 1:500~1:2000 IHC 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Adiponectin
Description	Important adipokine involved in the control of fat metabolism and insulin sensitivity, with direct anti-diabetic, anti-atherogenic and anti-inflammatory activities. Stimulates AMPK phosphorylation and activation in the liver and the skeletal muscle, enhancing glucose utilization and fatty-acid combustion.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	ADIPOQ
Function	Important adipokine involved in the control of fat metabolism and insulin sensitivity upon binding to its receptors ADIPOR1 or ADIPOR2, with direct anti-diabetic effect. Also has anti-atherogenic and anti-inflammatory activities (By similarity). Stimulates AMPK phosphorylation and activation in the liver and the skeletal muscle, enhancing glucose utilization and fatty-acid combustion (By similarity). Antagonizes TNF 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 (PubMed:10982546). 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 (By similarity).
Cellular Location	Secreted.

Tissue Location	Synthesized exclusively by adipocytes and secreted into plasma.

Images



Western blot analysis of Adiponectin expression in human plasma lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.