

Anti-Adiponectin Picoband Antibody
Catalog # ABO11726**Specification****Anti-Adiponectin Picoband Antibody - Product Information**

Application	IHC, WB
Primary Accession	Q15848
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Adiponectin(ADIPOQ) detection. Tested with WB, IHC-P in Human.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-Adiponectin Picoband Antibody - Additional Information

Gene ID 9370

Other Names

Adiponectin, 30 kDa adipocyte complement-related protein, Adipocyte complement-related 30 kDa protein, ACRP30, Adipocyte, C1q and collagen domain-containing protein, Adipose most abundant gene transcript 1 protein, apM-1, Gelatin-binding protein, ADIPOQ, ACDC, ACRP30, APM1, GBP28

Calculated MW

26414 MW KDa

Application Details

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat

Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization

Secreted.

Tissue Specificity

Synthesized exclusively by adipocytes and secreted into plasma.

Protein Name

Adiponectin

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃N.

Immunogen

E.coli-derived human adiponectin recombinant protein (Position: E19-N244). Human adiponectin shares 85% amino acid (aa) sequence identity with mouse adiponectin.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After r°Constitution, at 4°C for one month. It°Can also be aliquotted and stored frozen at -20°C for a longer time.Avoid repeated freezing and thawing.

Sequence Similarities

Contains 1 C1q domain.

Anti-Adiponectin Picoband 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.

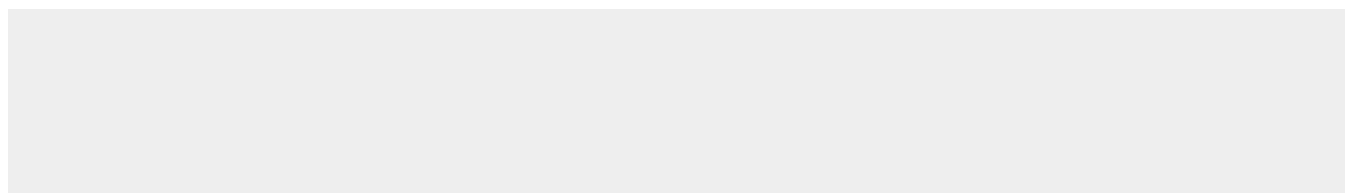
Tissue Location

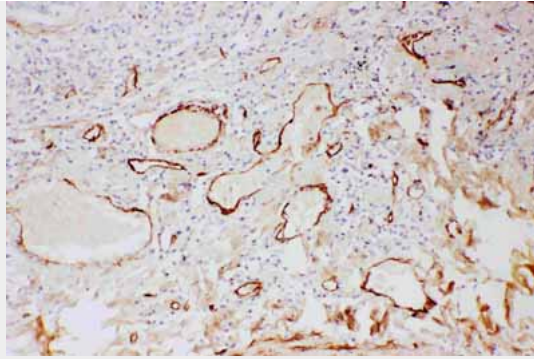
Synthesized exclusively by adipocytes and secreted into plasma.

Anti-Adiponectin Picoband Antibody - Protocols

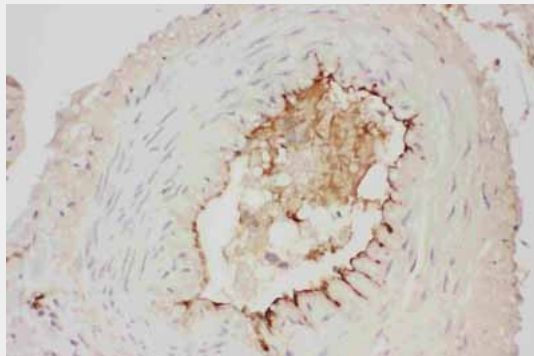
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

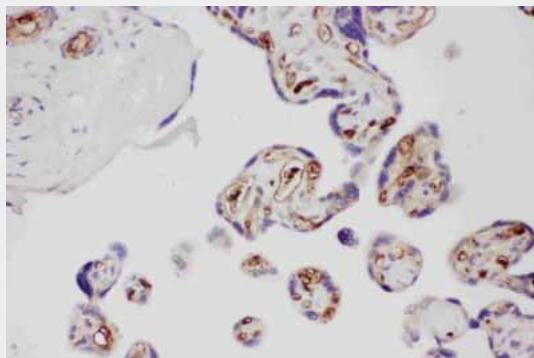
Anti-Adiponectin Picoband Antibody - Images



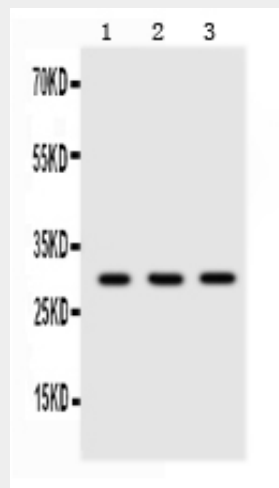
Anti- Adiponectin antibody, ABO11726, IHC(P)IHC(P): Human Lung Cancer Tissue



Anti- Adiponectin antibody, ABO11726, IHC(P)IHC(P): Human Mammary Cancer Tissue



Anti- Adiponectin antibody, ABO11726, IHC(P)IHC(P): Human Placenta Tissue



Anti- Adiponectin antibody, ABO11726, Western blotting All lanes: Anti Adiponectin (ABO11726) at 0.5ug/ml Lane 1: Human Placenta Tissue Lysate at 50ug Lane 2: HELA Whole Cell Lysate at 40ug Lane 3: JURKAT Whole Cell Lysate at 40ug Predicted bind size: 30KD Observed bind size: 30KD

Anti-Adiponectin Picoband Antibody - Background

ADIPOQ (Adipocyte-, C1q-, and Collagen Domain-Containing), also known as APM1, ADPN or ACDC, is a protein which in humans is encoded by the ADIPOQ gene. Using FISH, Das et al. (2001) mapped the mouse Acrp30 gene to chromosome 16 in a region showing homology of synteny with human 3q27. By RNase protection and Western blot analysis, Schaffler et al. (1999) showed that APM1 is expressed by differentiated adipocytes as a 33-kD protein that is also detectable in serum. By sequence comparisons, they found links between APM1 and TNF family ligands as well as to cytokines expressed by T cells. Adiponectin is a protein hormone that modulates a number of metabolic processes, including glucose regulation and fatty acid oxidation. Adiponectin is exclusively secreted from adipose tissue (and also from the placenta in pregnancy) into the bloodstream and is very abundant in plasma relative to many hormones.