

## Anti-Adiponectin/ADIPOQ Antibody Picoband® APC Conjugated

Catalog Number: PA2014-1-APC

### About ADIPOQ

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.

### Overview

Product Name	Anti-Adiponectin/ADIPOQ Antibody Picoband® APC Conjugated
Reactive Species	Human, Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q15848

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human ADIPOQ, different from the related mouse and rat sequences by one amino acid.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	APC Excitation Wavelength: 633-647 nm Emission Wavelength: 660 nm

Suggested Dilutions

Flow Cytometry, Optimal dilutions should be determined by end users.

## 5 Publications Citing This Product

1. PubMed ID: 10.3390/ijms22147280, Prolonged Chronic Consumption of a High Fat with Sucrose Diet Alters the Morphology of the Small Intestine
2. PubMed ID: 29201467, Zhang R, Xie X, Yu Q, Feng H, Wang M, Li Y, Liu Y. Neural Plast. 2017;2017:6809745. doi: 10.1155/2017/6809745. Epub 2017 Oct 22. Constitutive Expression of Adiponectin in Endothelial Progenitor Cells Protects a Rat Model of Cerebral Ischemia
3. PubMed ID: 22189196, Liu F, Mu J, Yuan Z, Wu G, Liu E, Zheng S, Lian Q, Ren K, Xu H. Nutrition. 2012 Apr;28(4):422-5. Doi: 10.1016/J.Nut.2011.08.018. Epub 2011 Dec 20. High Salt Intake Fails To Enhance Plasma Adiponectin In Normotensive Salt-Sensitive Subjects.

Visit [bosterbio.com/anti-adiponectin-antibody-pa2014-1-boster.html](http://bosterbio.com/anti-adiponectin-antibody-pa2014-1-boster.html) to see all 5 publications.

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