BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Adiponectin/ADIPOQ Antibody Picoband®

Catalog Number: PA2014-1

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.

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Overview

Product Name	Anti-Adiponectin/ADIPOQ Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Adiponectin/ADIPOQ Antibody catalog # PA2014-1. Tested in ELISA, IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	ELISA, IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q15848

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antibody and ELISA experts

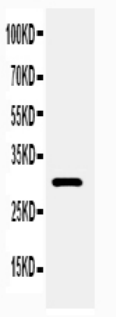
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Technical Details

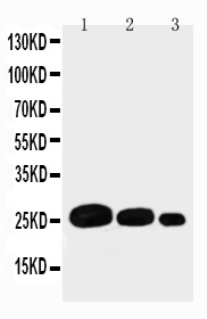
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human ADIPOQ, different from the related mouse and rat sequences by one amino acid.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P) and IHC(F).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	ELISA, 0.1-0.5ug/ml, - Immunohistochemistry (Frozen Section), 0.5-1ug/ml, Rat, Human, Mouse Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, Mouse, Rat Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse

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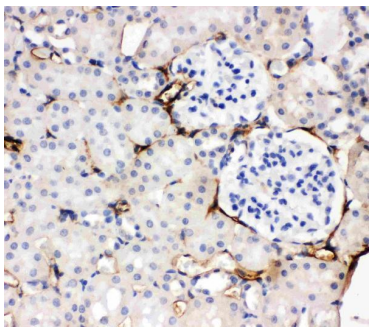
Anti-Adiponectin/ADIPOQ Antibody Picoband® (PA2014-1) Images



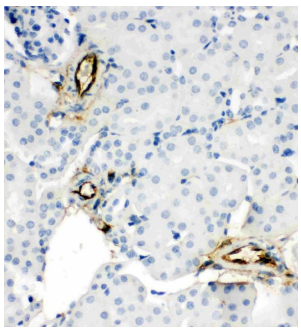
Anti-Adiponectin antibody, PA2014-1, Western blottingWB: Rat Heart Tissue Lysate



Anti-Adiponectin antibody, PA2014-1, Western blottingRecombinant Protein Detection Source: E.coli derived -recombinant Human ADIPOQ, 44.4 KD (162aa tag+ M1-N244)Lane 1: Recombinant Human ADIPOQ Protein 10ng Lane 2: Recombinant Human ADIPOQ Protein 5ng Lane 3: Recombinant Human ADIPOQ Protein 2.5ng



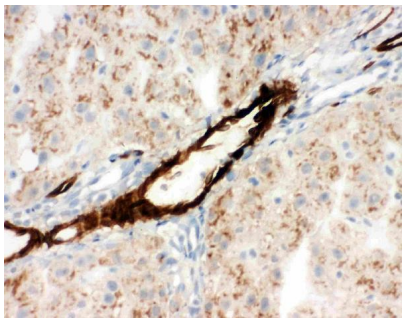
Anti-Adiponectin antibody, PA2014-1, IHC(P)IHC(P): Rat Kidney Tissue

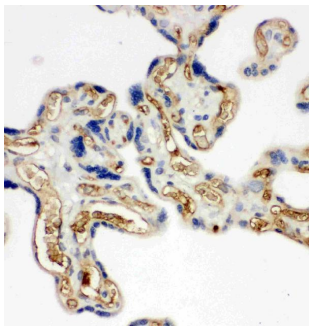


Anti-Adiponectin antibody, PA2014-1, IHC(P)IHC(P): Mouse Kidney Tissue

Anti-Adiponectin antibody, PA2014-1, IHC(F)IHC(F): Rat Liver Tissue

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Anti-Adiponectin antibody, PA2014-1, IHC(P)IHC(P): Human Placenta Tissue

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: 26077651, Qin Jh, Ma Jz, Yang Xw, Hu Yj, Zhou J, Fu Lc, Tian Rh, Liu S, Xu G, Shen Xl. Nat Prod Bioprospect. 2015 Jun;5(3):159-66. Doi: 10.1007/S13659-015-0063-5. Epub 2015 Jun 16. A Triterpenoid Inhibited Hormone-Induced Adipocyte Differentiation And Allev...

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.

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Anti-Adiponectin/ADIPOQ Antibody

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