

Datasheet for ABIN3042521

anti-ADIPOQ antibody (AA 19-244)**8** Images**4** Publications[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	ADIPOQ
Binding Specificity:	AA 19-244
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADIPOQ antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for 30 kDa adipocyte complement-related protein(ADIPOQ) detection. Tested with WB, IHC-P in Mouse,Rat.
Brand:	Picoband™
Immunogen:	E.coli-derived rat Adiponectin recombinant protein (Position: I19-N244). Rat Adiponectin shares 90% amino acid (aa) sequence identity with mouse Adiponectin.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for 30 kDa adipocyte complement-related protein(ADIPOQ) detection. Tested with WB, IHC-P in Mouse,Rat.</p> <p>Gene Name: adiponectin, C1Q and collagen domain containing</p> <p>Protein Name: 30 kDa adipocyte complement-related protein</p>

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: ADIPOQ

Alternative Name: ADIPOQ ([ADIPOQ Products](#))

Background: Adiponectin, also known as APM1 or ACDC, is a protein which in humans is encoded by the ADIPOQ gene. It is mapped to chromosome 16 in a region showing homology of synteny with human 3q27. By RNase protection and Western blot analysis, it has been showed that Adiponectin is expressed by differentiated adipocytes as a 33-kD protein that is also detectable in serum. By sequence comparisons, it has been found that 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. This gene 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.

Synonyms: 30 kDa adipocyte complement related protein antibody|30 kDa adipocyte complement-related protein antibody|ACDC antibody|ACRP 30 antibody|ACRP30 antibody|ADIPO_HUMAN antibody|Adipocyte antibody|Adipocyte C1q and collagen domain containing protein antibody|Adipocyte complement related 30 kDa protein antibody|Adipocyte complement related protein of 30 kDa antibody|Adipocyte complement-related 30 kDa protein antibody|Adiponectin antibody|AdipoQ antibody|Adipose most abundant gene transcript 1 antibody|Adipose most abundant gene transcript 1 protein antibody|Adipose specific collagen like factor antibody|ADIPQTL1 antibody|ADPN antibody|APM 1 antibody|apM-1 antibody|ApM1 antibody|C1q and collagen domain-containing protein antibody|GBP 28 antibody|GBP28 antibody|Gelatin binding protein antibody|Gelatin binding protein 28 antibody|Gelatin-binding protein antibody

Gene ID: 246253

UniProt: [Q8K3R4](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Rat
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the

Application Details

staining of formalin/paraffin sections.

Notes: Tested Species: Species with positive results. Other applications have not been tested.

Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: At -20°C for one year. After reconstitution, 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.

Publications

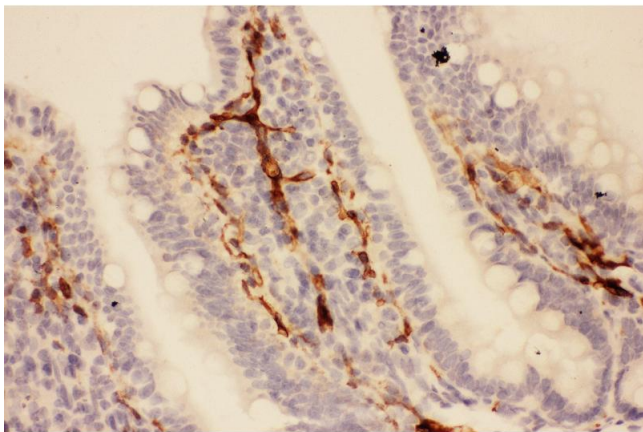
Product cited in: Zhang, Xie, Yu, Feng, Wang, Li, Liu: "Constitutive Expression of Adiponectin in Endothelial Progenitor Cells Protects a Rat Model of Cerebral Ischemia." in: **Neural plasticity**, Vol. 2017, pp. 6809745, (2018) ([PubMed](#)).

Qin, Ma, Yang, Hu, Zhou, Fu, Tian, Liu, Xu, Shen: "A Triterpenoid Inhibited Hormone-Induced Adipocyte Differentiation and Alleviated Dexamethasone-Induced Insulin Resistance in 3T3-L1 adipocytes." in: **Natural products and bioprospecting**, Vol. 5, Issue 3, pp. 159-66, (2015) ([PubMed](#)).

Gao, Li, Zhang, Dai, Jiang, Liu, Zhang, Chen, Zhang: "Silencing of ADIPOQ efficiently suppresses preadipocyte differentiation in porcine." in: **Cellular physiology and biochemistry : international journal of experimental cellular physiology, biochemistry, and pharmacology**, Vol. 31, Issue 2-3, pp. 452-61, (2013) ([PubMed](#)).

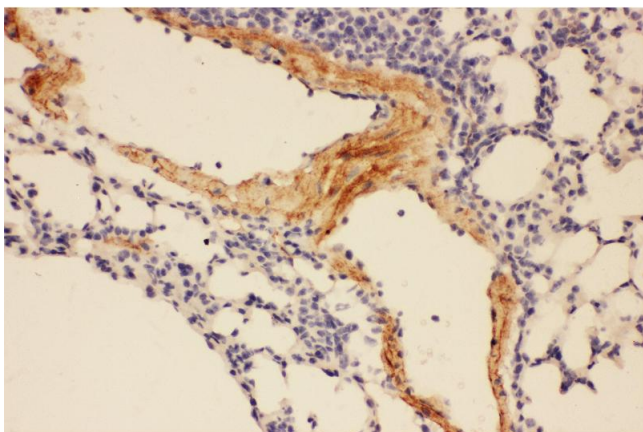
Liu, Mu, Yuan, Wu, Liu, Zheng, Lian, Ren, Xu: "High salt intake fails to enhance plasma adiponectin in normotensive salt-sensitive subjects." in: **Nutrition (Burbank, Los Angeles County, Calif.)**, Vol. 28, Issue 4, pp. 422-5, (2012) ([PubMed](#)).

Images



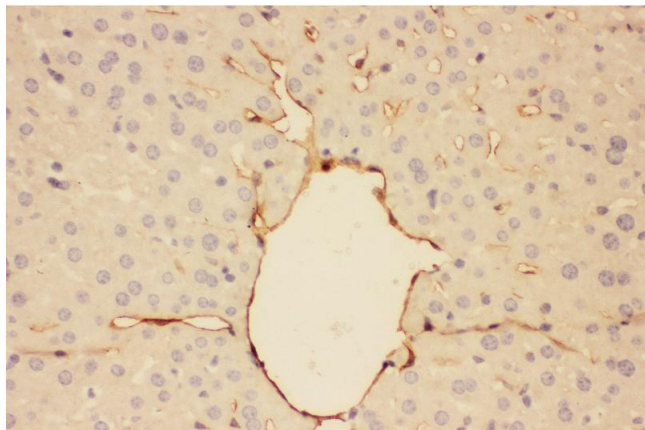
Immunohistochemistry

Image 1. Anti-Adiponectin Picoband antibody, IHC(P): Rat Intestine Tissue



Immunohistochemistry

Image 2. Anti-Adiponectin Picoband antibody, IHC(P): Mouse Lung Tissue



Immunohistochemistry

Image 3. Anti-Adiponectin Picoband antibody, IHC(P):
Mouse Liver Tissue

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN3042521.