

# Adiponectin Polyclonal antibody

Catalog Number: 21613-1-AP

17 Publications

## Basic Information

## Catalog Number:

21613-1-AP

## Size:

550 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG16304

## GenBank Accession Number:

BC096308

## GeneID (NCBI):

9370

## UNIPROT ID:

Q15848

## Full Name:

adiponectin, C1Q and collagen domain containing

## Calculated MW:

244 aa, 26 kDa

## Observed MW:

29 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:200-1:1000

IHC 1:50-1:500

IF 1:50-1:500

## Applications

## Tested Applications:

IF/ICC, IHC, WB, ELISA

## Cited Applications:

WB, IF

## Species Specificity:

human, mouse, rat

## Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Positive Controls:

WB: NIH/3T3 cells, 3T3-L1 cells

IHC: human liver tissue, human skin tissue, human placenta tissue, human prostate cancer tissue, rat brown adipose, mouse skeletal muscle tissue, mouse brown adipose tissue

IF: NIH/3T3 cells,

## Background Information

Adiponectin (AdipoQ), an adipocyte-derived hormone, is one of the most abundant adipokines in the blood circulation. Adiponectin modulates a number of metabolic processes, including improving INS sensitivity and anti-inflammatory activity. The role of AdipoQ in reproduction is not yet fully understood, but the expression of AdipoQ in reproductive tissues has been observed in various animals and humans, including chicken testis, bovine ovary, and human placenta. Adiponectin exerts its effects by activating a range of different signaling molecules via binding to two transmembrane AdipoQ receptors, AdipoR1 and AdipoR2. AdipoR1 is expressed primarily in the skeletal muscle, whereas AdipoR2 is predominantly expressed in the liver. AdipoQ May play a role in cell growth, angiogenesis and tissue remodeling by binding and sequestering various growth factors.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yin Tang	36213491	PPAR Res	WB
Shih-Ya Tseng	36499166	Int J Mol Sci	IF
Minghao Xie	34009553	Dig Dis Sci	WB

## Storage

## Storage:

Store at -20°C. Stable for one year after shipment.

## Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

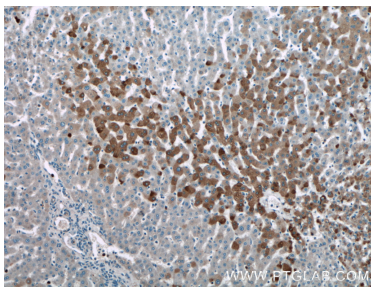
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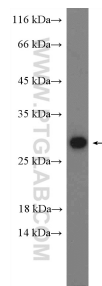
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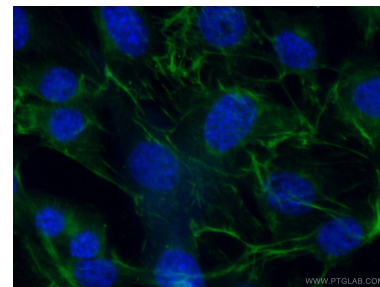
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 21613-1-AP (ADIPOQ antibody) at dilution of 1:200 (under 10x lens).



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 21613-1-AP (ADIPOQ Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed NIH/3T3 cells using 21613-1-AP (ADIPOQ antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).