

For Research Use Only

Adiponectin Polyclonal antibody

Catalog Number: 21613-1-AP

29 Publications



Basic Information

Catalog Number:

21613-1-AP

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: 1:500-1:2000

IHC: 1:200-1:800

IF/ICC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, sheep, goat, duck

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: human plasma, NIH/3T3 cells, 3T3-L1 cells

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

IF/ICC: 3T3-L1 cells, 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, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

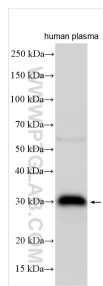
T: 4006900926

E: Proteintech-CN@ptglab.com

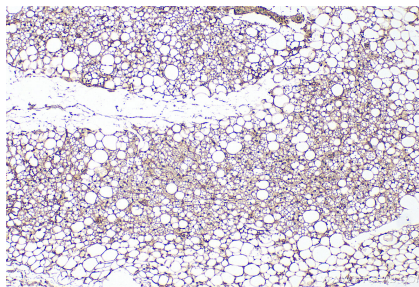
W: ptgcn.com

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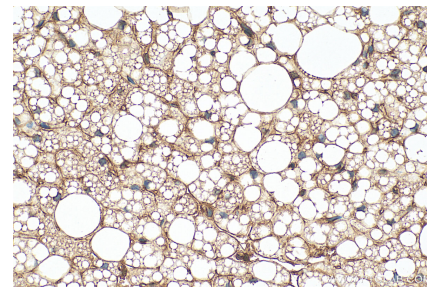
Selected Validation Data



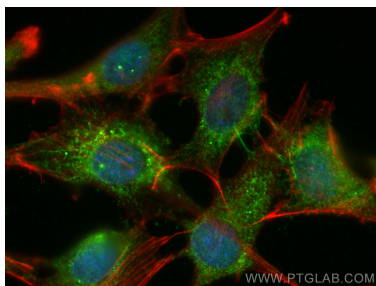
Human plasma was subjected to SDS PAGE followed by western blot with 21613-1-AP (Adiponectin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded rat brown adipose tissue slide using 21613-1-AP (Adiponectin antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brown adipose tissue slide using 21613-1-AP (Adiponectin antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed 3T3-L1 cells using Adiponectin antibody (21613-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).