

For Research Use Only

# Adiponectin Monoclonal antibody, PBS Only



Catalog Number:66239-1-PBS

## Basic Information

Catalog Number:

66239-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG17383

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:

Protein G purification

CloneNo.:

5D8A7

## Applications

Tested Applications:

WB,Indirect ELISA,IHC,IF

Species Specificity:

human, mouse, rat

## 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.

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

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

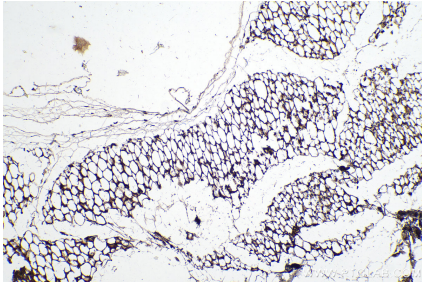
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

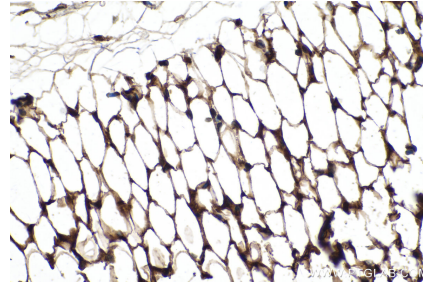
W: [ptgcn.com](http://ptgcn.com)

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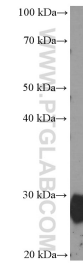
## Selected Validation Data



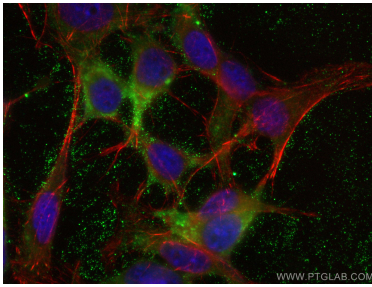
Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 66239-1-Ig (Adiponectin antibody) at dilution of 1:32000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66239-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 66239-1-Ig (Adiponectin antibody) at dilution of 1:32000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66239-1-PBS in a different storage buffer formulation.



human adipose tissue were subjected to SDS PAGE followed by western blot with 66239-1-Ig (ADIPOQ Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66239-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed 3T3-L1 cells using Adiponectin antibody (66239-1-Ig, Clone: 5D8A7) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-phalloidin (red). This data was developed using the same antibody clone with 66239-1-PBS in a different storage buffer formulation.