

For Research Use Only

Adiponectin Monoclonal antibody, PBS Only

Catalog Number: 66239-1-PBS



Basic Information

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|---|--|---|
| Catalog Number: 66239-1-PBS | GenBank Accession Number: BC096308 | Purification Method: Protein G purification |
| Size: 100ug, Concentration: 1mg/ml by Nanodrop; | GeneID (NCBI): 9370 | CloneNo.: 5D8A7 |
| Source: Mouse | UNIPROT ID: Q15848 | |
| Isotype: IgG1 | Full Name: adiponectin, C1Q and collagen domain containing | |
| Immunogen Catalog Number: AG17383 | Calculated MW: 244 aa, 26 kDa | |
| | Observed MW: 29 kDa | |

Applications

Tested Applications:
WB, IHC, IF/ICC, Indirect ELISA

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

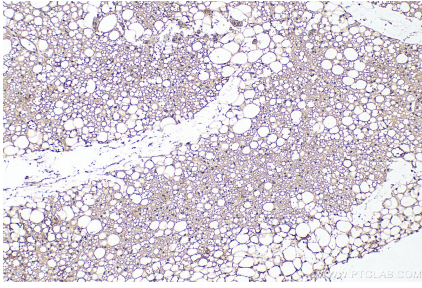
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

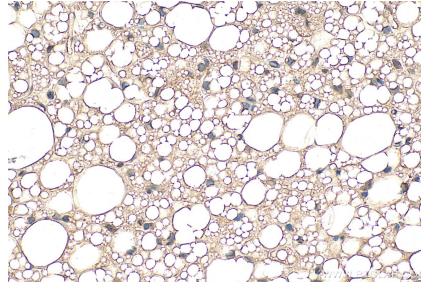
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

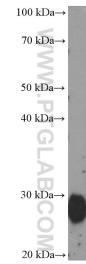
Selected Validation Data



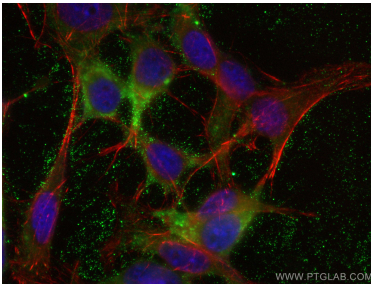
Immunohistochemical analysis of paraffin-embedded rat brown adipose tissue slide using 66239-1-Ig (Adiponectin antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66239-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat brown adipose tissue slide using 66239-1-Ig (Adiponectin antibody) at dilution of 1:400 (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.