

Mouse Monoclonal Antibody to ADIPOQ
Purified Mouse Monoclonal Antibody
Catalog # AO2493a**Specification**

Mouse Monoclonal Antibody to ADIPOQ - Product Information

Application	WB, FC, E
Primary Accession	Q15848
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Calculated MW	26.4kDa KDa

Description

This gene is expressed in adipose tissue exclusively. It encodes a protein with similarity to collagens X and VIII and complement factor C1q. The encoded protein circulates in the plasma and is involved with metabolic and hormonal processes. Mutations in this gene are associated with adiponectin deficiency. Multiple alternatively spliced variants, encoding the same protein, have been identified.;

Immunogen

Purified recombinant fragment of human ADIPOQ (AA: 16-154) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

Application Note

ELISA: 1/10000; WB: 1/500 - 1/2000; FCM: 1/200 - 1/400

Mouse Monoclonal Antibody to ADIPOQ - Additional Information

Gene ID 9370

Other Names

ACDC; ADPN; APM1; APM-1; GBP28; ACRP30; ADIPQTL1

Dilution

WB~~1:1000
FC~~1:10~50
E~~N/A

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Mouse Monoclonal Antibody to ADIPOQ is for research use only and not for use in diagnostic or therapeutic procedures.

Mouse Monoclonal Antibody to ADIPOQ - Protein Information

Name ADIPOQ

Function

Important adipokine involved in the control of fat metabolism and insulin sensitivity, with direct anti-diabetic, anti-atherogenic and anti-inflammatory activities. Stimulates AMPK phosphorylation and activation in the liver and the skeletal muscle, enhancing glucose utilization and fatty-acid combustion. Antagonizes TNF-alpha by negatively regulating its expression in various tissues such as liver and macrophages, and also by counteracting its effects. Inhibits endothelial NF-kappa-B signaling through a cAMP-dependent pathway. May play a role in cell growth, angiogenesis and tissue remodeling by binding and sequestering various growth factors with distinct binding affinities, depending on the type of complex, LMW, MMW or HMW.

Cellular Location

Secreted.

Tissue Location

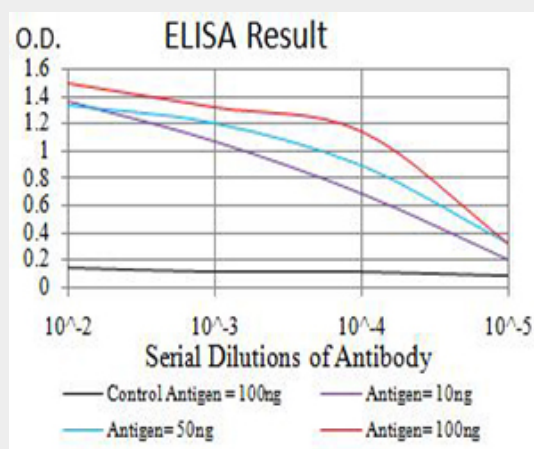
Synthesized exclusively by adipocytes and secreted into plasma.

Mouse Monoclonal Antibody to ADIPOQ - Protocols

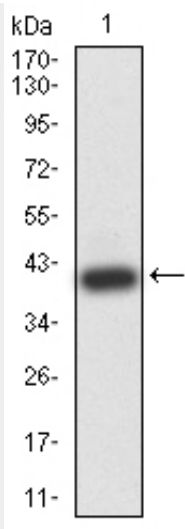
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

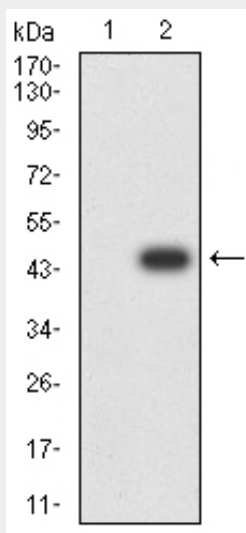
Mouse Monoclonal Antibody to ADIPOQ - Images



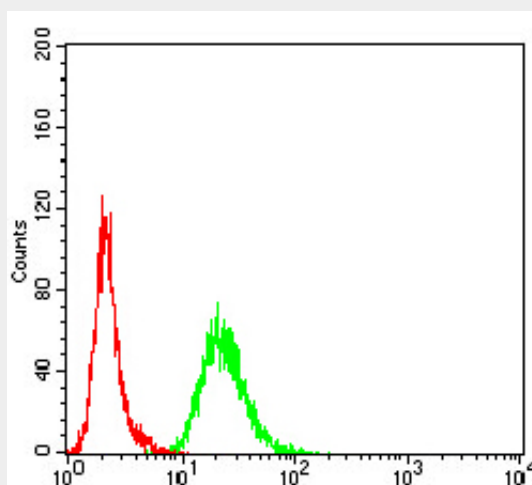
Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



Western blot analysis using ADIPOQ mAb against human ADIPOQ (AA: 16-154) recombinant protein. (Expected MW is 40.5 kDa)



Western blot analysis using ADIPOQ mAb against HEK293 (1) and ADIPOQ (AA: 16-154)-hIgGFc transfected HEK293 (2) cell lysate.



Flow cytometric analysis of Hela cells using ADIPOQ mouse mAb (green) and negative control

(red).

Mouse Monoclonal Antibody to ADIPOQ - References

1.Oncotarget. 2015 Oct 13;6(31):32205-11. ; 2.Clin Biochem. 2015 Sep;48(13-14):860-5. ;