

Anti-Adiponectin (Marker of Obesity) Monoclonal Antibody

Catalog Number: M00509

About ADIPOQ

This monoclonal antibody reacts with adiponectin, an adipocytokine. Adipocytokines are hormones produced in adipose tissue. Adiponectin is abundantly present in plasma and has insulin like effect on glucose levels in the blood. Plasma adiponectin levels are low in insulin resistant patients who are obese, have diabetes mellitus type 2 or HIV-lipodystrophy. In women adiponectin levels tend to be higher than in men, which may be due to androgens suppressing adiponectin levels. Furthermore adiponectin and leptin are both indicated in regulating body weight through direct action on the hypothalamus, influencing appetite. Obese people have low adiponectin levels while levels in anorexia patients are high. Adiponectin acts as ligand for various receptors, two of which have been identified, one probably involved in carbohydrate assimilation, the other in tuning the rate of metabolism.

Overview

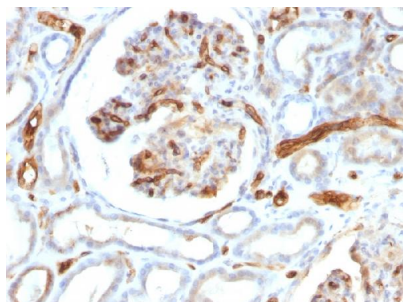
Product Name	Anti-Adiponectin (Marker of Obesity) Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Adiponectin (Marker of Obesity) Monoclonal Antibody (Catalog # M00509). Tested in WB, IHC applications. This antibody reacts with Human.
Conjugate	Biotin
Application	IHC, WB
Clonality	Monoclonal Clone: ADPN/1370
Formulation	Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage Instructions	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Host	Mouse
Uniprot ID	Q15848

Technical Details

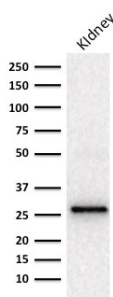
Immunogen	Recombinant human Adiponectin protein fragment (around aa 145-226) (exact sequence is proprietary)
Predicted Reactive Species	Bovine, Canine, Mouse, Orangutan, Pig, Rabbit, Rat, Deer
Cross Reactivity	Does not cross-react with primate, avian or amphibian GR.
Isotype	IgG2b, kappa

Form	Liquid
Concentration	Purified antibody with BSA and azide at 200ug/ml
Purification	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western Blot (1-2ug/ml)</p> <p>Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT) (Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes)</p> <p>Optimal dilution for a specific application should be determined.</p>

Anti-Adiponectin (Marker of Obesity) Monoclonal Antibody (M00509) Images



Formalin-fixed, paraffin-embedded human Kidney stained with Anti-Adiponectin Mouse Monoclonal Antibody (ADPN/1370).



Western blot analysis of human Kidney lysate using Anti-Adiponectin Mouse Monoclonal Antibody (ADPN/1370).

2 Publications Citing This Product

1. PubMed ID: 23548631, Gao Y, Li F, Zhang Y, Dai L, Jiang H, Liu H, Zhang S, Chen C, Zhang J. Cell Physiol Biochem. 2013;31(2-3):452-61. Doi: 10.1159/000343381. Epub 2013 Mar 15. Silencing Of Adipoq Efficiently Suppresses Preadipocyte Differentiation In Porcine.
2. PubMed ID: 26077651, Qin Jh, Ma Jz, Yang Xw, Hu Yj, Zhou J, Fu Lc, Tian Rh, Liu S, Xu G, Shen Xi. Nat Prod Bioprospect. 2015 Jun;5(3):159-66. Doi: 10.1007/S13659-015-0063-5. Epub 2015 Jun 16. A Triterpenoid Inhibited Hormone-Induced Adipocyte Differentiation And Allev...

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