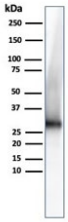
Adiponectin Antibody [clone ADPN/4255] (V8691)

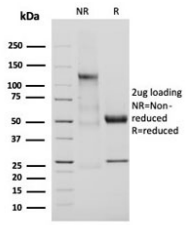
Catalog No.	Formulation	Size
V8691-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8691-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8691SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	ADPN/4255
Purity	Protein G affinity chromatography
UniProt	Q15848
Localization	Cytoplasm and Cell surface
Applications	ELISA: order BSA-free format for coating* Western blot: 1-2ug/ml
Limitations	This Adiponectin antibody is available for research use only.



Western blot testing of human kidney lysate with Adiponectin antibody. Predicted molecular weigth ~30 kDa.



SDS-PAGE analysis of purified, BSA-free Adiponectin antibody (clone ADPN/4255) as confirmation of integrity and purity.

Description

This MAb 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. (Hotta K, et al.)

Application Notes

Optimal dilution of the Adiponectin antibody should be determined by the researcher.

*The ADPN/4255 mAb can be used in a combination ELISA with clone ADPN/4256, acting as the detection antibody.

Immunogen

A synthetic peptide corresponding to the globular head region of the Adiponectin molecule was used as the immunogen for the Adiponectin antibody.

Storage

Store the Adiponectin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
Copyright © NSJ Bioreagents. All rights reserved.