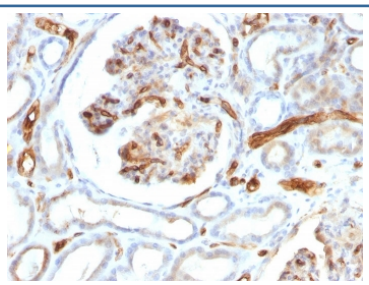
Adiponectin Antibody [clone ADPN/1370] (V3530)

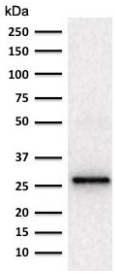
Catalog No.	Formulation	Size
V3530-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3530-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3530SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3530IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

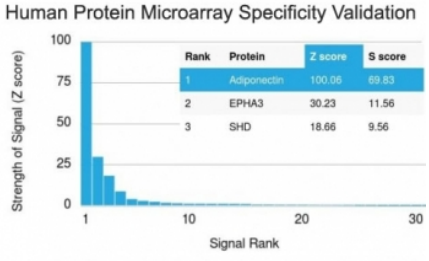
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	ADPN/1370
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	9370
Localization	Cytoplasmic, membrane
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This Adiponectin antibody is available for research use only.



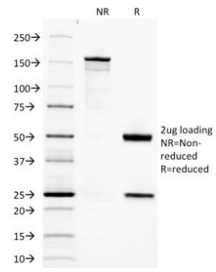
IHC testing of FFPE human kidney tissue with Adiponectin antibody (clone ADPN/1370). Required HIER: boil tissue sections in pH 6, 10mM Citrate buffer for 10-20 min followed by cooling at RT for 20 min.



Western blot testing of human kidney lysate with Adiponectin antibody (clone ADPN/1370). Routinely observed at 26~30 kDa.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Adiponectin antibody (clone ADPN/1370). These results demonstrate the foremost specificity of the ADPN/1370 mAb.
Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free Adiponectin antibody (clone ADPN/1370) as confirmation of integrity and purity.

Description

Adiponectin (commonly called ADIPO, or by the gene name ADIPOQ) is an adipocytokine, a hormone produced in adipose tissue. It is abundantly present in plasma and has insulin like effect on glucose levels in the blood. Plasma ADIPO levels are low in insulin resistant patients who are obese, have diabetes mellitus type 2 or HIV-lipodystrophy. In women, levels tend to be higher than in men, which may be due to androgens suppressing ADIPO levels. Furthermore, adiponectin and leptin are both indicated in regulating body weight through direct action on the hypothalamus, influencing appetite. Obese people have low ADIPO 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.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the Adiponectin antibody to be titered up or down for optimal performance.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

A human recombinant partial protein was used as the immunogen for this Adiponectin antibody.

Storage

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

References (1)