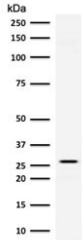
Adiponectin Antibody [clone ADPQ-1] (V7249)

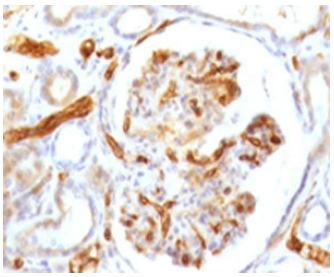
Catalog No.	Formulation	Size
V7249-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7249-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7249SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	ADPQ-1
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
Limitations	This Adiponectin antibody is available for research use only.



Western blot testing of human kidney lysate with Adiponectin antibody (clone ADPQ-1). Routinely observed at 26~30 kDa.



IHC testing of FFPE human kidney with Adiponectin antibody (clone ADPQ-1). HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.

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.

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)

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