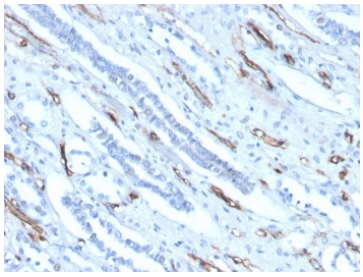
Adiponectin Antibody [clone ADPN/4256] (V8692)

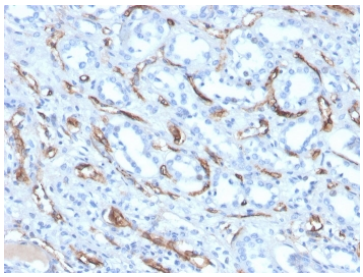
Catalog No.	Formulation	Size
V8692-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8692-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8692SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

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/4256
Purity	Protein G affinity chromatography
UniProt	Q15848
Localization	Cytoplasmic & Cell surface
Applications	ELISA: order BSA-free format for coating* Immunohistochemistry (FFPE): 1-2ug/ml for 30 minutes at RT
Limitations	This Adiponectin antibody is available for research use only.



IHC staining of FFPE human kidney with Adiponectin antibody (clone ADPN/4256). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



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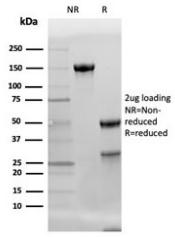

SDS-PAGE analysis of purified, BSA-free Adiponectin antibody (clone ADPN/4256) as confirmation of integrity and purity.

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. Clone ADPN/4256 is used to detect plasma adiponectin concentrations.

Application Notes

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

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

Immunogen

A synthetic peptide corresponding to the tail 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).

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