

Mouse Anti-Adiponectin [ADPN/1370]: MC0138, MC0138RTU7

Intended Use: For Research Use Only

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.

Specifications:

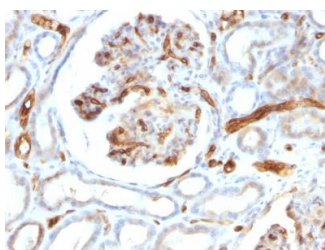
Clone: ADPN/1370
 Source: Mouse
 Isotype: IgG2b/k
 Reactivity: Human
 Localization: Cytoplasm, membrane
 Formulation: Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN₃)
 Storage: Store at 2°- 8°C
 Applications: IHC, ELISA, IF
 Package:

Description	Catalog No.	Size
Adiponectin Concentrated	MC0138	1 ml
Adiponectin Prediluted	MC0138RTU7	7 ml

IHC Procedure*:

Positive Control Tissue: Liver, Adrenal gland or Cerebellum, HepG2 or JAR cells
 Concentrated Dilution: 50-200
 Pretreatment: Citrate pH6.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
 Incubation Time and Temp: 30-60 minutes @ RT
 Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human kidney stained with Adiponectin using DAB

References

1. Plasma biomarkers for neuronal ceroid lipofuscinosis. Hersrud SL, et al. FEBS J 283:459-71, 2016.
2. Vitamin D attenuates inflammation, fatty infiltration, and cartilage loss in the knee of hyperlipidemic microswine. Rai V, et al. Arthritis Res Ther 18:203, 2016.
3. Ophiocordyceps formosana improves hyperglycemia and depression-like behavior in an STZ-induced diabetic mouse model. Huang CW, et al. BMC Complement Altern Med 16:310, 2016.
4. cAMP-responsive element binding protein: a vital link in embryonic hormonal adaptation. Schindler M, et al. Endocrinology 154:2208-21, 2013.

Doc. 100-MC0138
Rev. A