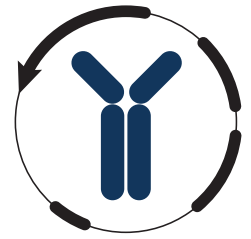


# Datasheet



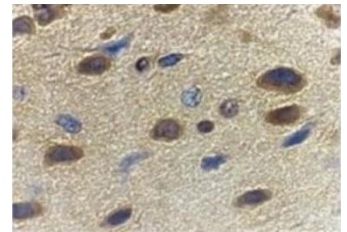
Mouse mAb to **Adiponectin**  
Clone **A-493**  
Isotype **IgG1-κ**

## Source

A BALB/c mouse was immunized with adiponectin.

## Specifications

A-493 react 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 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.



**Figure 1:** Mammalian brain stained for adiponectin (DAB)

## Species reactivity

Positive: human.

## Applications

ELISA and immunohistology.

ELISA	Frozen sections	Paraffin sections
+	+	+

## Format

Produced in tissue culture, contains no host Ig. Antibodies are affinity purified and presented in PBS with 0,02% sodium azide.

Stored at 4°C-8°C, shelf life is at least 24 months after purchase.

## Dilution advice

- ELISA (solid phase: not known; tracer: 0,001-100 µg/ml for 30 min at RT).
- Immunohistology (1-2 µg/ml for 30 min at RT).

## Positive control

Human plasma, HeLa cells or Kidney.

## References

- Dos Santos, E. et al, *Oncol. Rep.* **20**: 971-977 (2008).