

Acrp30 (Adn18): sc-66126

BACKGROUND

Acrp30 (adipocyte complement-related protein or AdipoQ) is a secretory protein that is made exclusively in adipocytes and whose mRNA is induced over 100-fold during adipocyte differentiation. Acrp30 is an abundant serum protein secreted exclusively from fat cells, and is implicated in energy homeostasis and obesity. Due to the dysregulation in various forms of obesity in humans and mice, and its strong structural similarity to TNF α , Acrp30 is currently under study as an important molecule involved in whole body energy homeostasis. In addition, regulated exocytosis of Acrp30 appears to require phosphatidylinositol-3-kinase activity, since insulin-stimulated Acrp30 secretion is blocked by pharmacologic inhibitors of this enzyme.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ADIPOQ (human) mapping to 3q27; Adipoq (mouse) mapping to 16.

SOURCE

Acrp30 (Adn18) is a mouse monoclonal antibody raised against recombinant Acrp30 of human origin.

PRODUCT

Each vial contains 100 μ g IgG_{2b} in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

Acrp30 (Adn18) is recommended for detection of HMW form of Acrp30 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000).

Suitable for use as control antibody for Acrp30 siRNA (h): sc-43600.

Molecular Weight of Acrp30: 30 kDa.

Positive Controls: 3T3-L1 cell lysate: sc-2243 or MIA PaCa-2 cell lysate: sc-2285.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.