

# ADROPIN Antibody

Catalog # ASC11716

## Specification

# **ADROPIN Antibody - Product Information**

Application Primary Accession Other Accession Reactivity Host Clonality Isotype Calculated MW

**Application Notes** 

WB, IHC-P, IF, E <u>Q6UWT2</u> <u>NP\_940975</u>, <u>58218977</u> Human, Mouse, Rat Rabbit Polyclonal IgG Predicted: 8 kDa

Observed: 16 kDa KDa ADROPIN antibody can be used for detection of ADROPIN by Western blot at 1 - 2 µg/ml. Antibody can also be used for Immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.

#### **ADROPIN Antibody - Additional Information**

Gene ID 375704 Target/Specificity ENHO; ADROPIN antibody is human, mouse and rat reactive. Despite its predicted molecular weight, ADROPIN often migrates at a higher than expected molecular weight in SDS-PAGE.

#### Reconstitution & Storage

ADROPIN antibody can be stored at 4°C for three months and -20°C, stable for up to one year.

#### **Precautions** ADROPIN Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## **ADROPIN Antibody - Protein Information**

Name ENHO

Synonyms C9orf165

**Function** Involved in the regulation of glucose homeostasis and lipid metabolism.

**Cellular Location** Secreted.

**Tissue Location** Expressed in liver and brain.



## **ADROPIN Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

#### **ADROPIN Antibody - Images**



Western blot analysis of ADROPIN in human brain tissue lysate with ADROPIN antibody at 2  $\mu$ g/ml in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of ADROPIN in human brain tissue with ADROPIN antibody at 5 µg/mL.





Immunofluorescence of ADROPIN in human brain tissue with ADROPIN antibody at 20 µg/mL.

# **ADROPIN Antibody - Background**

ADROPIN is a recently identified protein that has been implicated in the maintenance of energy homeostasis and insulin resistance (1-3). ADROPIN expression is regulated by energy status and dietary nutrient content and is altered by obesity and regulates the expression of hepatic lipogenic genes and adipose tissue peroxisome proliferator-activated receptor gamma (PPAR-gamma) (1). ADROPIN levels increase with dietary fat content (2). ADROPIN has also been proposed to play a role in the regulation of endothelial function (3).

## **ADROPIN Antibody - References**

Kumar KG, Trevaskis JL, Lam DD, et al. Identification of Adropin as a secreted factor linking dietary macronutrient intake with energy homeostasis and lipid metabolism. Cell Metab. 2008; 8:468-81. Kumar KG, Zhang J, Gao S, et al. Adropin deficiency is associated with increased adiposity and insulin resistance. Obesity 2012; 1394-402.

Lovren F, Pan Y, Quan A, et al. Adropin is a novel regulator of endothelial function. Circulation 2010; 122:S185-92.