

ADROPIN Antibody
Catalog # ASC11716**Specification**

ADROPIN Antibody - Product Information

Application	WB, IHC, IF
Primary Accession	Q6UWT2
Other Accession	NP_940975 , 58218977
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	Predicted: 8 kDa

Application Notes	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

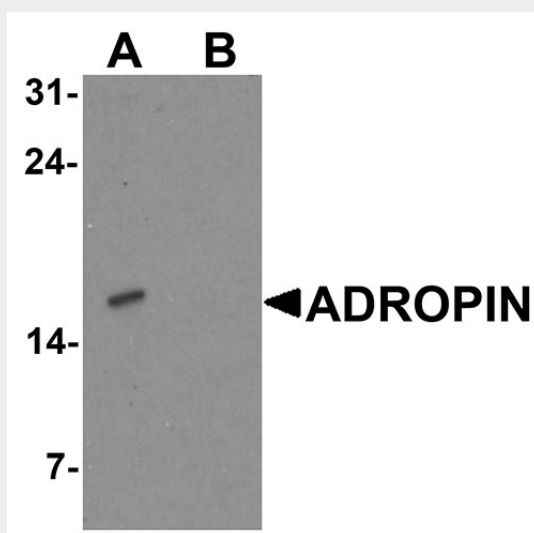
Expressed in liver and brain.

ADROPIN Antibody - Protocols

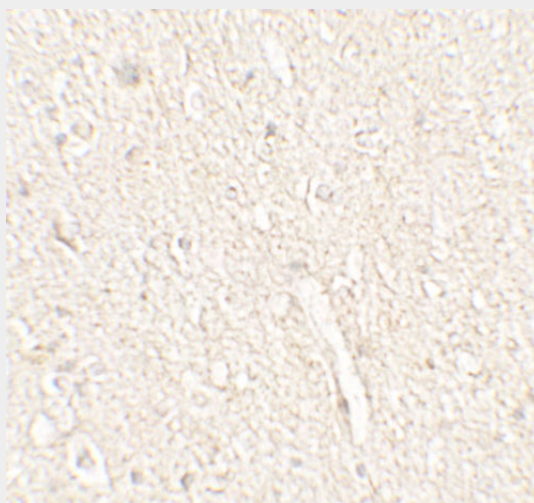
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

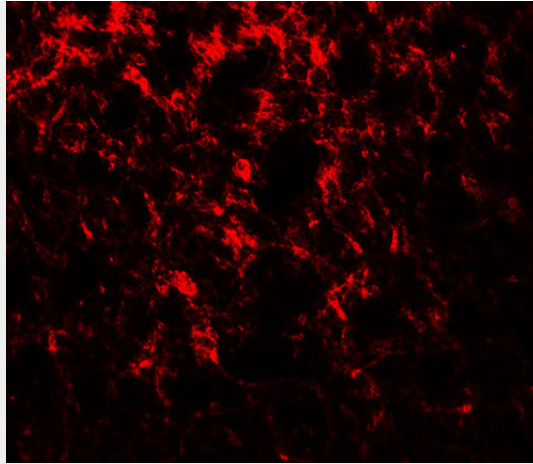
ADROPIN Antibody - Images



Western blot analysis of ADROPIN in human brain tissue lysate with ADROPIN antibody at 2 μ 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 μ g/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.