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ADROPIN Antibody

Catalog # ASC11716

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	Q6UWT2
Other Accession	NP_940975, 58218977
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	7927
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	ADROPIN antibody can be used for detection of ADROPIN by Western blot at 1 - 2 □g/ml. Antibody can also be used for Immunohistochemistry starting at 5 □g/mL. For immunofluorescence start at 20 □g/mL.

Additional Information

Gene ID	375704
Other Names	Adropin, Energy homeostasis-associated protein, ENHO, C9orf165
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℃ for three months and -20℃, stable for up to one year.
Precautions	ADROPIN Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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.

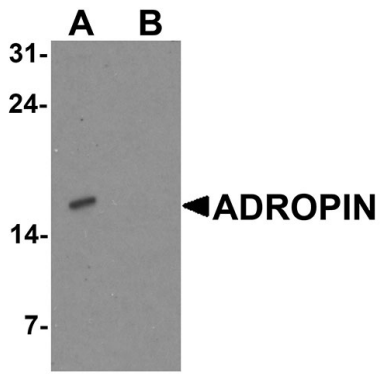
Background

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).

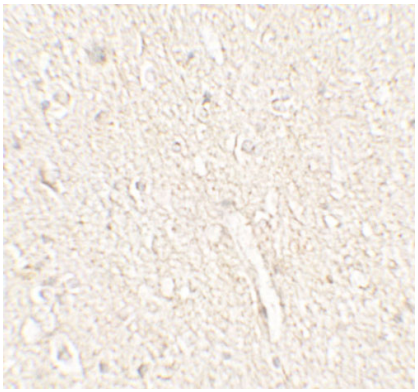
References

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.

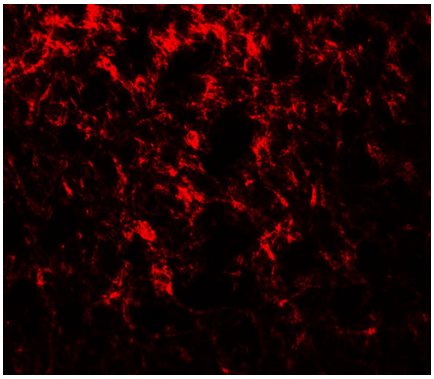
Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.