

For Research Use Only

Adiponectin receptor Polyclonal antibody



Catalog Number: 14361-1-AP

Featured Product

20 Publications

Basic Information

Catalog Number:

14361-1-AP

Size:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5744

GenBank Accession Number:

BC051858

GeneID (NCBI):

79602

UNIPROT ID:

Q86V24

Full Name:

adiponectin receptor 2

Calculated MW:

44 kDa

Observed MW:

40-45 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

IP, WB, ELISA

Cited Applications:

WB, IP, IF, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse, hamster, pig

Positive Controls:

WB : HeLa cells, A549 cells, human placenta tissue, rat liver tissue, L02 cells

IP : mouse liver tissue,

Background Information

Adiponectin is a hormone secreted by adipocytes that acts as an anti-diabetic and anti-atherogenic adipokine. Two receptors for adiponectin (ADIPOR1 and ADIPOR2) have been identified. They mediate increased AMPK, MAPK and PPARα ligand activity in response to adiponectin. AdipoR1 is abundantly expressed in skeletal muscle, whereas AdipoR2 is predominantly expressed in the liver. The human ADIPOR2 gene maps to chromosome 12p13.31, and encodes a 386-amino acid protein with a molecular weight of 44 kDa. This antibody raised against 1-147aa of human AdipoR2 may cross-react with AdipoR1.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaoling Chen	34543141	Anim Biotechnol	WB
Rika Ito	30308063	PLoS One	WB
Xiao-Qing Wang	33161473	Psychopharmacology (Berl)	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

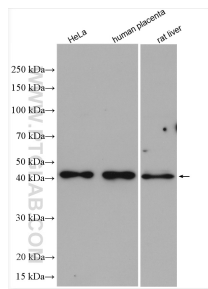
T: 4006900926

E: Proteintech-CN@ptglab.com

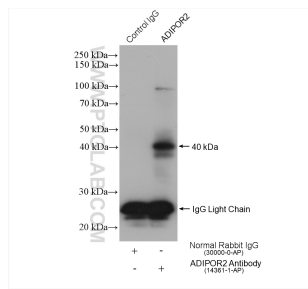
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14361-1-AP (Adiponectin receptor antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-Adiponectin receptor (IP:14361-1-AP, 4ug; Detection:14361-1-AP 1:500) with mouse liver tissue lysate 3040 ug.