

For Research Use Only

# Adiponectin receptor Polyclonal antibody

Catalog Number: 14361-1-AP

Featured Product

21 Publications



## Basic Information

Catalog Number:

14361-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 393 ug/ml by Bradford method using BSA as the standard;

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:

44 kDa, 60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

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

## Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, pig, hamster

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 antidiabetic and anti-atherogenic adipokine. Two receptors for adiponectin (ADIPO1 and ADIPO2) have been identified. They mediate increased AMPK, MAPK, and PPARA ligand activity in response to adiponectin. AdipoR1 is abundantly expressed in skeletal muscle, whereas AdipoR2 is predominantly expressed in the liver. The human ADIPO2 gene maps to chromosome 12p13.31, and encodes a 386-amino acid protein with a molecular weight of 44 kDa. AdipoR2 may also exist as stable ~ 60 kDa dimers (PMID: 18842004). 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, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

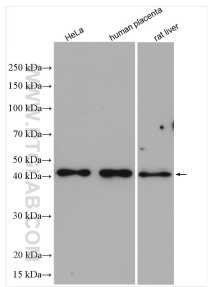
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

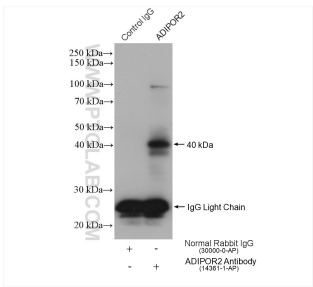
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Selected Validation Data



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.