

For Research Use Only



# Adiponectin receptor 1 Monoclonal antibody, PBS Only

Catalog Number: 66619-1-PBS

Featured Product

## Basic Information

Catalog Number:

66619-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG18187

GenBank Accession Number:

BC010743

GeneID (NCBI):

51094

UNIPROT ID:

Q96A54

Full Name:

adiponectin receptor 1

Calculated MW:

375 aa, 43 kDa

Observed MW:

43 kDa

Purification Method:

Protein G purification

CloneNo.:

1F12B3

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

Human

## Background Information

Adiponectin is a hormone secreted by adipocytes that acts as an antidiabetic and anti-atherogenic adipokine. Two receptors for adiponectin have been identified: adiponectin receptor 1 (AdipoR1) and adiponectin receptor 2 (AdipoR2). They are seven-transmembrane domain receptors and mediate increased AMPK, MAPK and PPARA ligand activity in response to adiponectin. AdipoR1 is found in many tissues, being particularly abundant in skeletal muscle, whereas AdipoR2 is predominantly expressed in the liver (PMID: 24417942). AdipoR1 has a high affinity for globular adiponectin and a very low affinity for full-length adiponectin. AdipoR2 has an intermediate affinity for both forms. The human ADIPOR1 gene maps to chromosome 1q32.1, and encodes a 375-amino acid protein with a molecular weight of 43 kDa. This antibody was raised against 1-72aa of human AdipoR1.

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

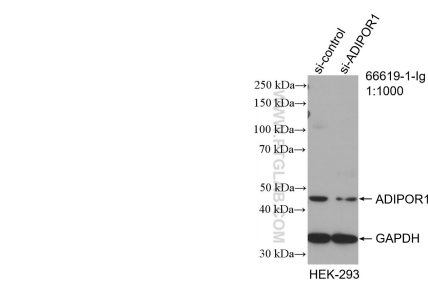
For technical support and original validation data for this product please contact:

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

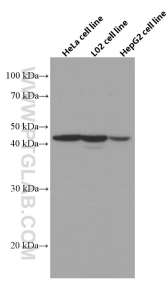
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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Selected Validation Data



WB result of Adiponectin receptor 1 antibody (66619-1-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Adiponectin receptor 1 transfected HEK-293 cells. This data was developed using the same antibody clone with 66619-1-PBS in a different storage buffer formulation.



HeLa cells, LO2 cells, and HepG2 cells were subjected to SDS PAGE followed by western blot with 66619-1-Ig (Adiponectin receptor 1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66619-1-PBS in a different storage buffer formulation.