

For Research Use Only

Adiponectin receptor 1 Polyclonal antibody, PBS Only

Catalog Number: 22425-1-PBS



Basic Information

Catalog Number:

22425-1-PBS

Size:

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

Source:

Rabbit

Isotype:

IgG

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:

45 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse, rat

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.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

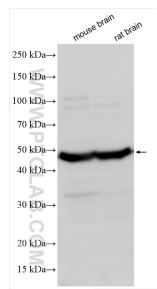
For technical support and original validation data for this product please contact:

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

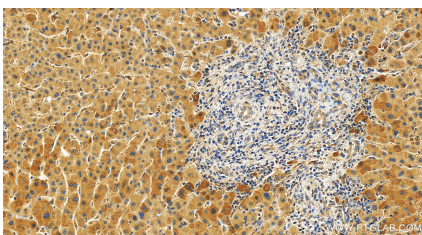
E: proteintech@ptglab.com
W: ptglab.com

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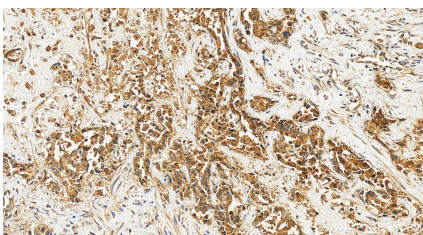
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 22425-1-AP (Adiponectin receptor 1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 22425-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 22425-1-AP (Adiponectin receptor 1 antibody) at dilution of 1:100 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 22425-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 22425-1-AP (Adiponectin receptor 1 antibody) at dilution of 1:100 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 22425-1-PBS in a different storage buffer formulation.