

For Research Use Only

Adiponectin receptor Recombinant antibody, PBS Only

Catalog Number: 85121-4-PBS



Basic Information

Catalog Number: 85121-4-PBS	GenBank Accession Number: BC051858	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 79602	CloneNo.: 242777F3
Source: Rabbit	UNIPROT ID: Q86V24	
Isotype: IgG	Full Name: adiponectin receptor 2	
Immunogen Catalog Number: AG5744	Calculated MW: 44 kDa	
	Observed MW: 45 kDa	

Applications

Tested Applications:
WB, IHC, IF-P, IP, 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 (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. 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.

Storage

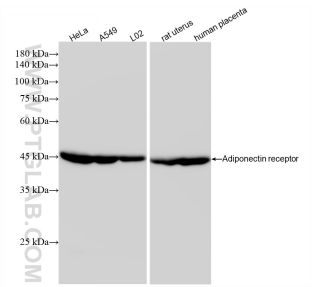
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

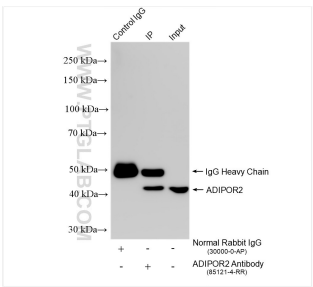
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

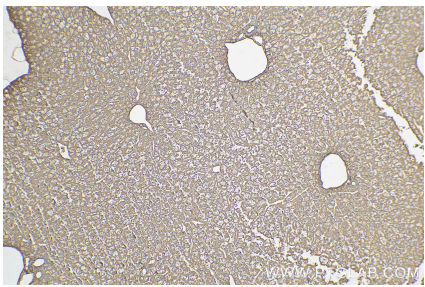
Selected Validation Data



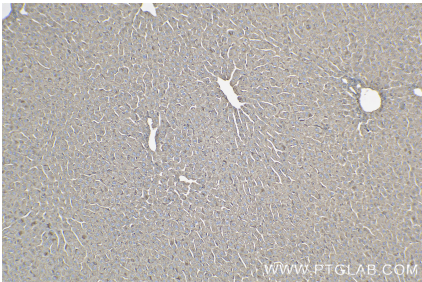
Various lysates were subjected to SDS PAGE followed by western blot with 85121-4-RR (ADIPOR2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85121-4-PBS in a different storage buffer formulation.



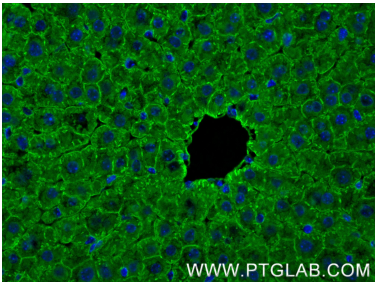
IP result of anti-Adiponectin receptor (IP:85121-4-RR, 4ug; Detection:85121-4-RR 1:2000) with mouse liver tissue lysate 2400 ug. This data was developed using the same antibody clone with 85121-4-PBS in a different storage buffer formulation.



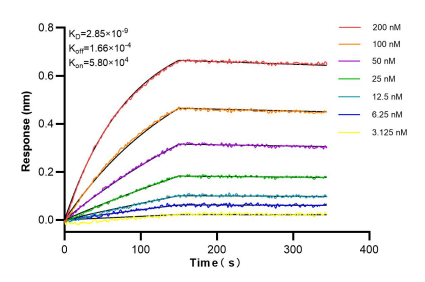
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 85121-4-RR (Adiponectin receptor antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 85121-4-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using 85121-4-RR (Adiponectin receptor antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 85121-4-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse liver tissue using Adiponectin receptor antibody (85121-4-RR, Clone: 242777F3) at dilution of 1:600 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 85121-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 85121-4-RR against Human Adiponectin receptor were performed. The affinity constant is 2.85 nM.