

For Research Use Only

Adiponectin receptor 1 Polyclonal antibody

Catalog Number: 22425-1-AP

1 Publications



Basic Information

Catalog Number: 22425-1-AP	GenBank Accession Number: BC010743	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 450 ug/ml by Nanodrop;	GeneID (NCBI): 51094	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q96A54	
Isotype: IgG	Full Name: adiponectin receptor 1	
Immunogen Catalog Number: AG18187	Calculated MW: 375 aa, 43 kDa	
	Observed MW: 45 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : mouse brain tissue, rat brain tissue IHC : human intrahepatic cholangiocarcinoma tissue,
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Jiafan Feng	39364562	Environ Sci Technol	WB

Storage

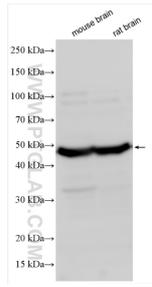
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

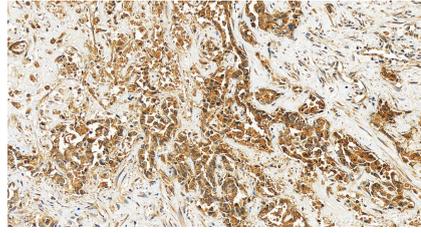
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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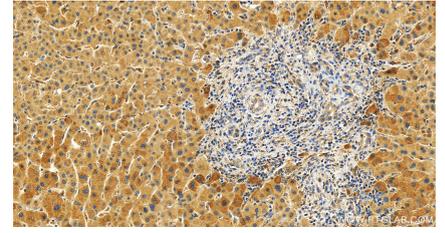
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 22425-1-AP (Adiponectin receptor 1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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).



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