

For Research Use Only

Adiponectin Polyclonal antibody

Catalog Number: 21613-1-AP **28 Publications**



Basic Information

Catalog Number: 21613-1-AP	GenBank Accession Number: BC096308	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 550 ug/ml by Nanodrop;	GeneID (NCBI): 9370	Recommended Dilutions: WB 1:500-1:2000 IHC 1:200-1:800 IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q15848	
Isotype: IgG	Full Name: adiponectin, C1Q and collagen domain containing	
Immunogen Catalog Number: AG16304	Calculated MW: 244 aa, 26 kDa	
	Observed MW: 29 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Cited Applications:
WB, IHC, IF

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, rat, sheep, goat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: human plasma, NIH/3T3 cells, 3T3-L1 cells

IHC: rat brown adipose tissue, human placenta tissue, human prostate cancer tissue, human skin tissue, mouse brown adipose tissue, mouse skeletal muscle tissue

IF/ICC: 3T3-L1 cells, NIH/3T3 cells

Background Information

Adiponectin (AdipoQ), an adipocyte-derived hormone, is one of the most abundant adipokines in the blood circulation. Adiponectin modulates a number of metabolic processes, including improving INS sensitivity and anti-inflammatory activity. The role of AdipoQ in reproduction is not yet fully understood, but the expression of AdipoQ in reproductive tissues has been observed in various animals and humans, including chicken testis, bovine ovary, and human placenta. Adiponectin exerts its effects by activating a range of different signaling molecules via binding to two transmembrane AdipoQ receptors, AdipoR1 and AdipoR2. AdipoR1 is expressed primarily in the skeletal muscle, whereas AdipoR2 is predominantly expressed in the liver. AdipoQ may play a role in cell growth, angiogenesis and tissue remodeling by binding and sequestering various growth factors.

Notable Publications

Author	Pubmed ID	Journal	Application
Yin Tang	36213491	PPAR Res	WB
Shih-Ya Tseng	36499166	Int J Mol Sci	IF
Minghao Xie	34009553	Dig Dis Sci	WB

Storage

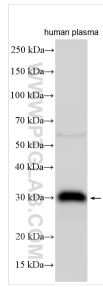
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

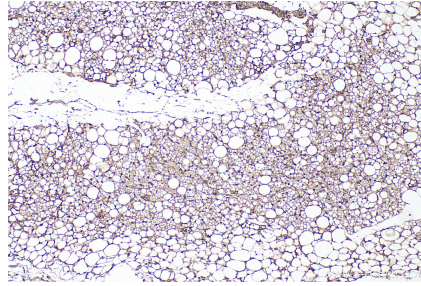
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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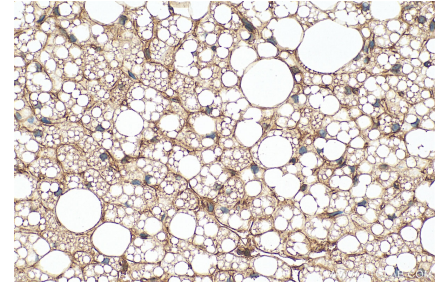
Selected Validation Data



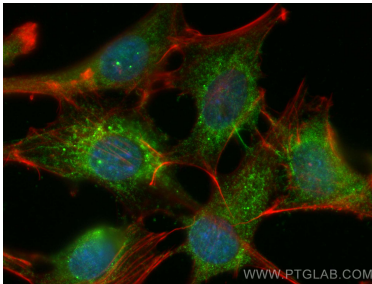
Human plasma was subjected to SDS PAGE followed by western blot with 21613-1-AP (Adiponectin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded rat brown adipose tissue slide using 21613-1-AP (Adiponectin antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brown adipose tissue slide using 21613-1-AP (Adiponectin antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed 3T3-L1 cells using Adiponectin antibody (21613-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).