

For Research Use Only

Adiponectin Recombinant antibody

Catalog Number: 83961-4-RR



Basic Information

Catalog Number: 83961-4-RR	GenBank Accession Number: BC096308	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 9370	CloneNo.: 241082C6
Source: Rabbit	UNIPROT ID: Q15848	Recommended Dilutions: WB 1:5000-1:50000
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, ELISA	Positive Controls: WB : human adipose tissue, human plasma
Species Specificity: human	

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.

Storage

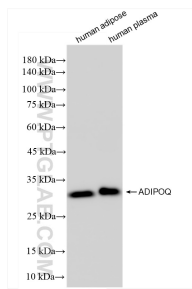
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

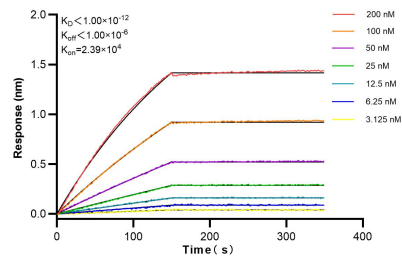
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83961-4-RR (Adiponectin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83961-4-RR against Human ADIPOQ were performed. The affinity constant is below 1 pM.