

For Research Use Only

# Adiponectin Recombinant antibody, PBS Only

Catalog Number: 83961-4-PBS



## Basic Information

<b>Catalog Number:</b> 83961-4-PBS	<b>GenBank Accession Number:</b> BC096308	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9370	<b>CloneNo.:</b> 241082C6
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q15848	
<b>Isotype:</b> IgG	<b>Full Name:</b> adiponectin, C1Q and collagen domain containing	
<b>Immunogen Catalog Number:</b> AG16304	<b>Calculated MW:</b> 244 aa, 26 kDa	
	<b>Observed MW:</b> 29 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**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

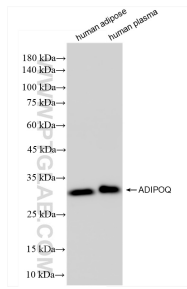
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

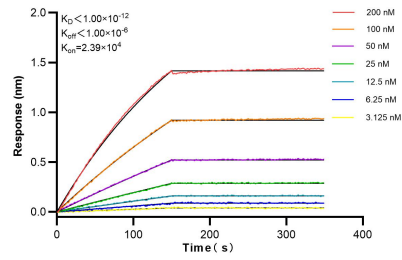
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## Selected Validation Data



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. This data was developed using the same antibody clone with 83961-4-PBS in a different storage buffer formulation.



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