

For Research Use Only

Rat Adiponectin Recombinant antibody, PBS Only (Detector)

Catalog Number: 83525-2-PBS



Basic Information

Catalog Number:

83525-2-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_144744.3

GeneID (NCBI):

246253

UNIPROT ID:

Q8K3R4

Full Name:

adiponectin, C1Q and collagen
domain containing

Calculated MW:

26 kDa

Observed MW:

26-28 kDa

Purification Method:

Protein A purification

CloneNo.:

240392D6

Applications

Tested Applications:

WB, Cytometric bead array, Indirect ELISA

Species Specificity:

mouse, rat

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

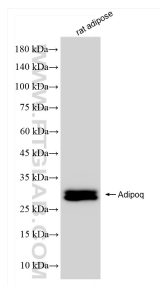
T: 4006900926

E: Proteintech-CN@ptglab.com

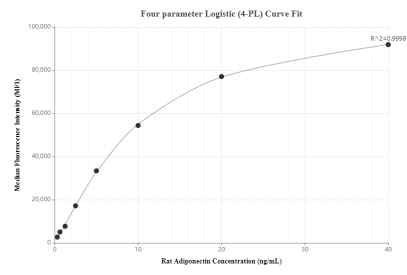
W: ptgcn.com

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

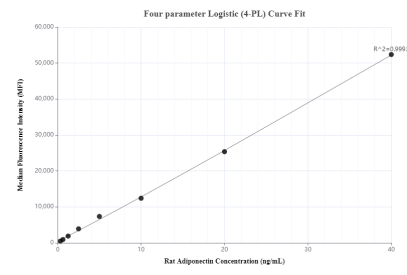
Selected Validation Data



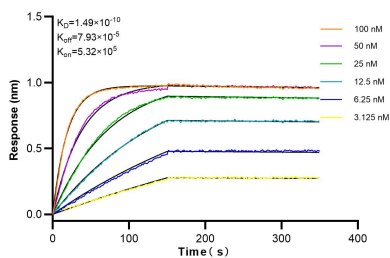
rat adipose tissue were subjected to SDS PAGE followed by western blot with 83525-2-RR (Adiponectin antibody) at dilution of 1:7500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83525-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00522-1, RAT Adiponectin Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83525-3-PBS. Detection antibody: 83525-2-PBS. Standard: Eg0872. Range: 0.313-40 ng/mL.



Cytometric bead array standard curve of MP00522-2, RAT Adiponectin Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83525-1-PBS. Detection antibody: 83525-2-PBS. Standard: Eg0872. Range: 0.313-40 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 83525-2-RR against Rat Adiponectin were performed. The affinity constant is 0.149 nM.