

For Research Use Only

Adiponectin Recombinant antibody, PBS Only (Detector)

Catalog Number: 83961-3-PBS



Basic Information

Catalog Number: 83961-3-PBS	GenBank Accession Number: BC096308	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 9370	CloneNo.: 241082E1
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	

Applications

Tested Applications:
IHC, IF/ICC, Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse

Product Information

83961-3-PBS targets Adiponectin as part of a matched antibody pair:

MP00919-2: 83961-1-PBS capture and 83961-3-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

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

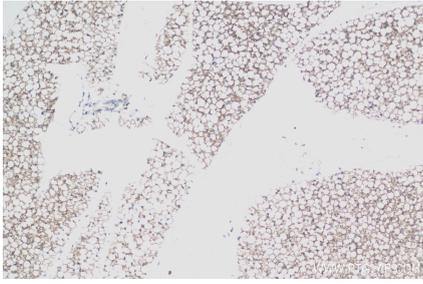
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

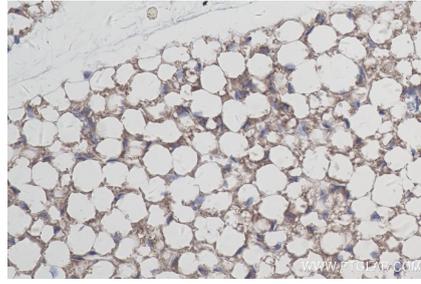
E: proteintech@ptglab.com
W: ptglab.com

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

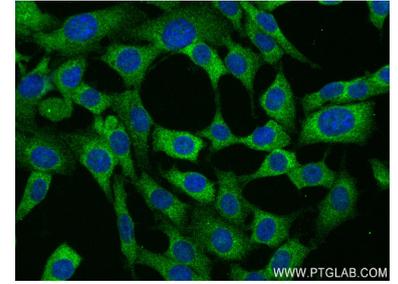
Selected Validation Data



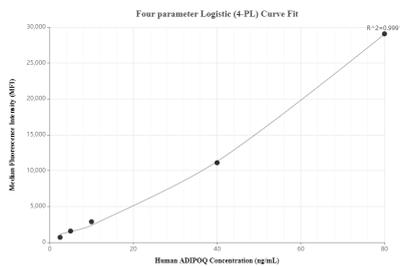
Immunohistochemical analysis of paraffin-embedded mouse brown adipose tissue slide using 83961-3-RR (ADIPOQ antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83961-3-PBS in a different storage buffer formulation.



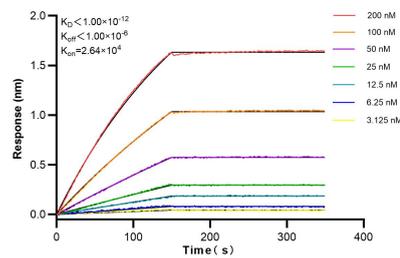
Immunohistochemical analysis of paraffin-embedded mouse brown adipose tissue slide using 83961-3-RR (ADIPOQ antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83961-3-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed 3T3-L1 cells using ADIPOQ antibody (83961-3-RR, Clone: 241082E1) at dilution of 1:0 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 83961-3-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00919-2, Adiponectin Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83961-1-PBS. Detection antibody: 83961-3-PBS. Standard: Ag16304. Range: 2.5-80 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 83961-3-RR against Human ADIPOQ were performed. The affinity constant is below 1 pM.