

For Research Use Only

CoraLite® Plus 488-conjugated Adiponectin receptor Recombinant antibody

Catalog Number: **CL488-85121-4**



Basic Information

Catalog Number: CL488-85121-4	GenBank Accession Number: BC051858	Purification Method: Protein A purification
Concentration: 1000 ug/ml	GeneID (NCBI): 79602	CloneNo.: 242777F3
Source: Rabbit	UNIPROT ID: Q86V24	Recommended Dilutions: IF-P: 1:50-1:500
Isotype: IgG	Full Name: adiponectin receptor 2	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG5744	Calculated MW: 44 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF-P: mouse liver tissue,
Species Specificity: human, mouse, rat	

Background Information

Adiponectin is a hormone secreted by adipocytes that acts as an antidiabetic and anti-atherogenic adipokine. Two receptors for adiponectin (ADIPO1 and ADIPO2) have been identified. They mediate increased AMPK, MAPK, and PPARA ligand activity in response to adiponectin. Adipo1 is abundantly expressed in skeletal muscle, whereas Adipo2 is predominantly expressed in the liver. The human ADIPO2 gene maps to chromosome 12p13.31, and encodes a 386-amino acid protein with a molecular weight of 44 kDa. Adipo2 may also exist as stable ~ 60 kDa dimers (PMID: 18842004). This antibody raised against 1-147aa of human Adipo2 may cross-react with Adipo1.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

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

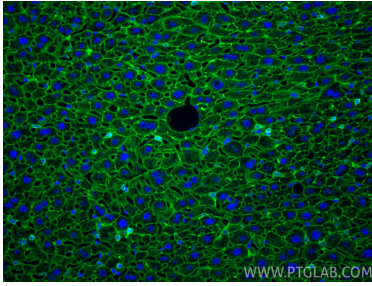
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse liver tissue using CoraLite® Plus 488 Adiponectin receptor antibody (CL488-85121-4, Clone: 242777F3) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).