

CoraLite®488-conjugated Adiponectin Monoclonal antibody

Catalog Number: **CL488-66239**

Basic Information

Catalog Number: CL488-66239	GenBank Accession Number: BC096308	Purification Method: Protein G purification
Size: 2000 µg/ml	GeneID (NCBI): 9370	CloneNo.: 5D8A7
Source: Mouse	UNIPROT ID: Q15848	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: adiponectin, C1Q and collagen domain containing	Excitation/Emission maxima wavelengths: 491 nm / 516 nm
Immunogen Catalog Number: AG17383	Calculated MW: 244 aa, 26 kDa	
	Observed MW: 29 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : 3T3-L1 cells,
Species Specificity: human, mouse	

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 insulin 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.

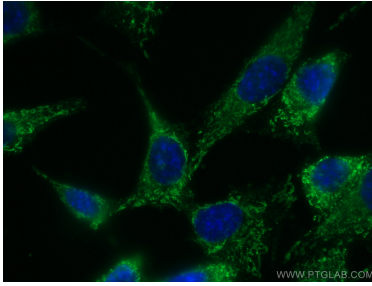
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed 3T3-L1 cells using CoraLite®488 Adiponectin antibody (CL488-66239, Clone: 5D8A7) at dilution of 1:200.