

For Research Use Only

CoraLite® Plus 488-conjugated ACOT2 Polyclonal antibody



Catalog Number: **CL488-15633**

Basic Information

Catalog Number:

CL488-15633

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8093

GenBank Accession Number:

BC006335

GeneID (NCBI):

10965

UNIPROT ID:

P49753

Full Name:

acyl-CoA thioesterase 2

Calculated MW:

483 aa, 53 kDa

Observed MW:

46-53 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

FC (Intra), IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF : HepG2 cells,

Background Information

Acyl-CoA thioesterase (Acot)2 localizes to the mitochondrial matrix and hydrolyses long-chain fatty acyl-CoA into free FA and CoASH. Acot2 is expressed in highly oxidative tissues and is poised to modulate mitochondrial FA oxidation (FAO) (PMID: 25114170). The structure of ACOT2 consists of two domains, N and C domains, and the active site of ACOT2 is located at the interface between the N and C domains (PMID: 19497300).

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

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

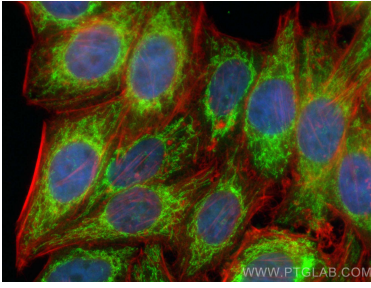
T: 4006900926

E: Proteintech-CN@ptglab.com

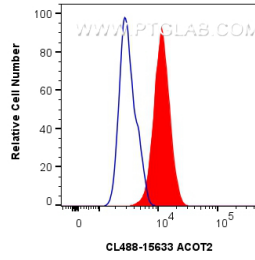
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Coralite® Plus 488 ACOT2 antibody (CL488-15633) at dilution of 1:200, CL594-phalloidin (red).



1×10^6 HeLa cells were intracellularly stained with 0.8 μ g Coralite® Plus 488 Anti-Human ACOT2 (CL488-15633) (red), or 0.8 μ g Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).