

For Research Use Only

CoraLite®650-conjugated ACC1 Polyclonal antibody



Catalog Number: CL650-21923

Featured Product

Basic Information

Catalog Number: CL650-21923	GenBank Accession Number: BC137287	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 31	Excitation/Emission maxima wavelengths: 654 nm/674 nm
Source: Rabbit	Full Name: acetyl-Coenzyme A carboxylase alpha	
Isotype: IgG	Calculated MW: 2383 aa, 275 kDa	
Immunogen Catalog Number: AG16452	Observed MW: 250 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human, rat, mouse

Background Information

ACACA (Acetyl-CoA carboxylase 1, ACC), also named as ACAC, ACC1 and ACCA, belongs to the biotin containing enzyme family. It catalyzes the synthesis of malonyl-CoA, which is an intermediate substrate playing a pivotal role in the regulation of fatty acid metabolism and energy production. ACACA is involved in the biosynthesis of fatty acids, and malonyl-CoA produced is used as a building block to extend the chain length of fatty acids by fatty acid synthase (FAS) (PMID:19900410). It has 4 isoforms produced by alternative promoter usage with the molecular weight between 260 kDa and 270 kDa.

Storage

Storage:
Store at -20°C. Avoid exposure to light.

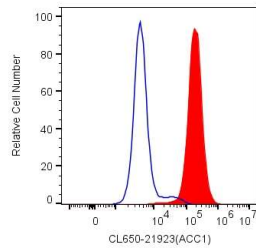
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ HeLa cells were intracellularly stained with 0.2 ug CoraLite@650 Anti-Human ACC1 (CL650-21923) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.2 ug APC Mouse IgG1 Isotype Control (APC-65124, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).