

For Research Use Only

CoraLite®555-conjugated ACC1 Monoclonal antibody

Catalog Number:CL555-67373



Basic Information

Catalog Number: CL555-67373	GenBank Accession Number: BC137287	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 31	CloneNo.: 1A11G10
Source: Mouse	UNIPROT ID: Q13085	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG2a	Full Name: acetyl-Coenzyme A carboxylase alpha	Excitation/Emission maxima wavelengths: 557 nm / 570 nm
Immunogen Catalog Number: AG17503	Calculated MW: 2383 aa, 275 kDa	
	Observed MW: 260-270 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HeLa cells,
Species Specificity: Human, Mouse, Rat	

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.

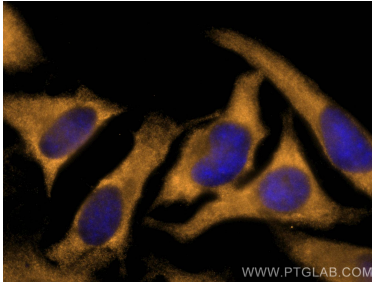
Storage

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



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CoraLite@555 ACC1 antibody (CL555-67373, Clone: 1A11G10) at dilution of 1:200.