

For Research Use Only

ACC1 Recombinant antibody

Catalog Number: 81656-1-RR



Basic Information

Catalog Number: 81656-1-RR	GenBank Accession Number: BC137287	Purification Method: Protein A purification
Size: 100ul , Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 31	CloneNo.: 2I13
Source: Rabbit	Full Name: acetyl-Coenzyme A carboxylase alpha	Recommended Dilutions: WB 1:2000-1:10000 IP 0.5-4.0 ug for IP and 1:1000-1:4000 for WB
Isotype: IgG	Calculated MW: 2383 aa, 275 kDa	
Immunogen Catalog Number: AG16452	Observed MW: 250 kDa	

Applications

Tested Applications:

IP, WB, ELISA

Species Specificity:

Human, mouse, rat

Positive Controls:

WB : HeLa cells, HEK-293 cells, Jurkat cells, NIH/3T3 cells, C6 cells

IP : HepG2 cells,

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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

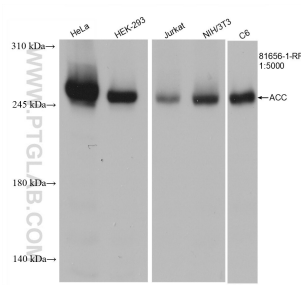
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

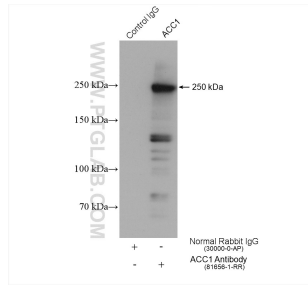
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 81656-1-RR (ACC1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



IP result of anti-ACC1(IP:81656-1-RR, 4ug; Detection:81656-1-RR 1:2000) with HepG2 cells lysate 1640 ug.