

For Research Use Only

ACC1 Recombinant antibody, PBS Only

Catalog Number: 81656-1-PBS



Basic Information

Catalog Number: 81656-1-PBS	GenBank Accession Number: BC137287	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 31	CloneNo.: 2113
Source: Rabbit	UNIPROT ID: Q13085	
Isotype: IgG	Full Name: acetyl-Coenzyme A carboxylase alpha	
Immunogen Catalog Number: AG16452	Calculated MW: 2383 aa, 275 kDa	
	Observed MW: 250 kDa	

Applications

Tested Applications:
WB, IP, Indirect ELISA

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 -80°C.

Storage Buffer:
PBS Only

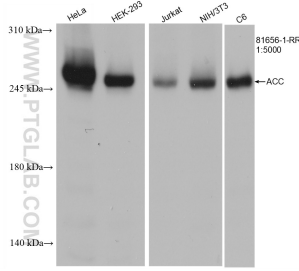
For technical support and original validation data for this product please contact:

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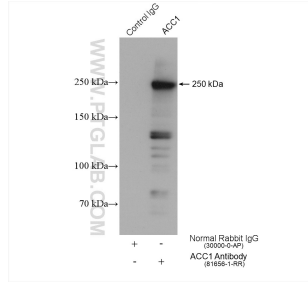
E: proteintech@ptglab.com
W: ptglab.com

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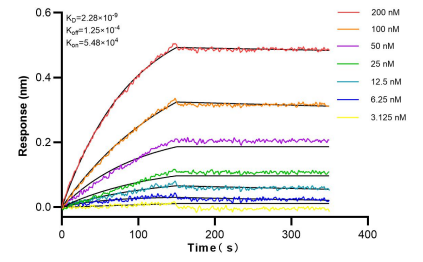
Selected Validation Data



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. This data was developed using the same antibody clone with 81656-1-PBS in a different storage buffer formulation.



IP result of anti-ACC1 (IP:81656-1-RR, 4 μ g; Detection:81656-1-RR 1:2000) with HepG2 cells lysate 1640 μ g. This data was developed using the same antibody clone with 81656-1-PBS in a different storage buffer formulation.



Biacore BLI kinetic assays of 81656-1-RR against Human ACC1 were performed. The affinity constant is 2.28 nM.