

For Research Use Only

ACC1 Recombinant antibody, PBS Only

Catalog Number: 81656-1-PBS



Basic Information

Catalog Number:

81656-1-PBS

Size:

1mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16452

GenBank Accession Number:

BC137287

GeneID (NCBI):

31

UNIPROT ID:

Q13085

Full Name:

acetyl-Coenzyme A carboxylase
alpha

Calculated MW:

2383 aa, 275 kDa

Observed MW:

250 kDa

Purification Method:

Protein A purification

CloneNo.:

2I13

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

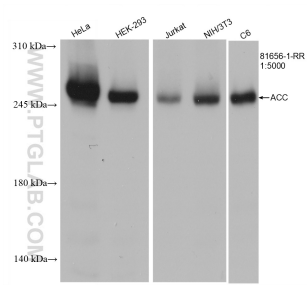
T: 4006900926

E: Proteintech-CN@ptglab.com

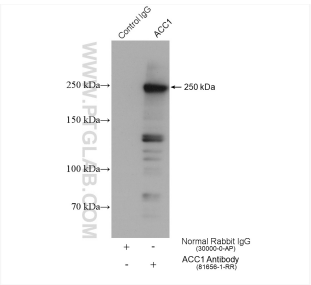
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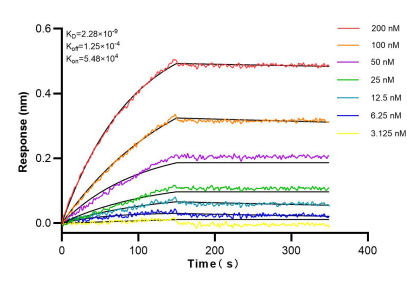
Selected Validation Data



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, 4ug; Detection:81656-1-RR 1:2000) with HepG2 cells lysate 1640 ug. This data was developed using the same antibody clone with 81656-1-PBS in a different storage buffer formulation.



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