

Rabbit anti-Human ACC1 Monoclonal Antibody | anti-ACACA antibody

ACC1 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282770	Rabbit	Human	ELISA, Immunoprecipitation, Immunohistochemistry, Western Blot

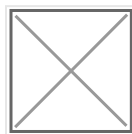
PRODUCT SYNONYMS

ACC1; Monoclonal Antibody; ACC1 Rabbit mAb; ACC; ACAC; ACCA; Acac1; hACC1; ACACAD; ACCalpha; ACACalpha; anti-ACACA antibody

PRODUCT SPECIFICATIONS

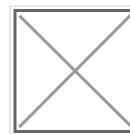
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	RLAKQSRHLE VQILADQYGN AISLFGRDCS VQRRHQKIIIE EAPATIATPA VFEHMEQCAV KLAKMVGYYVS AGTVEYLYSQ DGSFYFLELN PRLQVEHPCT E
Applicable Applications for anti-ACACA antibody	ELISA, IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 350-450 of human ACC1 (Q13085).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



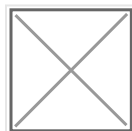
IP (Immunoprecipitation)

Immunoprecipitation analysis of 300 ug extracts of HepG2 cells using 3 ug ACC1 antibody (AAA282770). Western blot was performed from the immunoprecipitate using ACC1 (AAA282770) at a dilution of 1:1000.



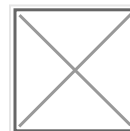
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Rat kidney using ACC1 Rabbit mAb (AAA282770) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Mouse testis using ACC1 Rabbit mAb (AAA282770) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



WB (Western Blot)

Western blot analysis of lysates from Mouse heart, using ACC1 Rabbit mAb (AAA282770) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



WB (Western Blot)

Western blot analysis of various lysates using ACC1 Rabbit mAb (AAA282770) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-ACACA antibody	Acetyl-CoA carboxylase (ACC) is a complex multifunctional enzyme system. ACC is a biotin-containing enzyme which catalyzes the carboxylation of acetyl-CoA to malonyl-CoA, the rate-limiting step in fatty acid synthesis. There are two ACC forms, alpha and beta, encoded by two different genes. ACC-alpha is highly enriched in lipogenic tissues. The enzyme is under long term control at the transcriptional and translational levels and under short term regulation by the phosphorylation/dephosphorylation of targeted serine residues and by allosteric transformation by citrate or palmitoyl-CoA. Multiple alternatively spliced transcript variants divergent in the 5' sequence and encoding distinct isoforms have been found for this gene.
Product Categories/Family for anti-ACACA antibody	Protein phosphorylation; Endocrine Metabolism; Lipid Metabolism; AMPK Signaling Pathway; Warburg Effect; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	38679960
NCBI GeneID	31
NCBI Accession #	NP_942131.1
NCBI GenBank Nucleotide #	NM_198834.1
UniProt Accession #	Q13085; Q6KEV6; Q6XDA8; Q7Z2G8; Q7Z561; Q7Z563; Q7Z564; Q86WB2; Q86WB3; B2RP68
Molecular Weight	Calculated MW: 266kDa Observed MW: 277kDa
UniProt Protein Name	Acetyl-CoA carboxylase 1
UniProt Gene Name	ACACA
UniProt Synonym Gene Names	ACAC; ACC1; ACCA; ACC1
UniProt Entry Name	ACACA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/acc1-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/282770>