

Rabbit ACC1 Polyclonal Antibody | anti-ACC1 antibody

Phospho-ACC1 (Thr1196) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328495	Rabbit	Human, Mouse, RatPredicted: Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

ACC1; Polyclonal Antibody; Phospho-ACC1 (Thr1196) Antibody; ACAC; ACACA; ACACA_HUMAN; ACACB; ACC alpha; ACC; ACC beta; ACC-alpha; ACC2; ACCA; ACCB; Acetyl CoA carboxylase 1; Acetyl CoA carboxylase 2; Acetyl CoA carboxylase alpha; Acetyl CoA carboxylase beta; Acetyl Coenzyme A carboxylase alpha; Acetyl Coenzyme A carboxylase beta; Biotin carboxylase; COA1; COA2; HACC275; OTTHUMP00000164069; OTTHUMP00000164070; OTTHUMP00000164076; OTTHUMP00000240532; anti-ACC1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-ACC1 (Thr1196) Antibody detects endogenous levels of ACC1 only when phosphorylated at Thr1196.
Purity/Purification	Purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	2383
Applicable Applications for anti-ACC1 antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ACC1 around the phosphorylation site of Thr1196.
Tissue Specificity	Expressed in brain, placental, skeletal muscle, renal, pancreatic and adipose tissues; expressed at low level in pulmonary tissue; not detected in the liver.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of Phospho-ACC1 (Thr1196) in lysates of 293, using Phospho-ACC1 (Thr1196) Antibody.



IHC (Immunohistochemistry)

At 1/100 staining human gastric cancer tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



IHC (Immunohistochemistry)

At 1/100 staining mouse heart tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary

ADDITIONAL INFORMATION

Related Product Information for anti-ACC1 antibody

Description: Catalyzes the rate-limiting reaction in the biogenesis of long-chain fatty acids. Carries out three functions: biotin carboxyl carrier protein, biotin carboxylase and carboxyltransferase.

Post Translational Modifications: Phosphorylation on Ser-1263 is required for interaction with BRCA1.

Subunit Structure: Monomer, homodimer, and homotetramer. Can form filamentous polymers. Interacts in its inactive phosphorylated form with the BRCT domains of BRCA1 which prevents ACACA dephosphorylation and inhibits lipid synthesis. Interacts with MID1IP1; interaction with MID1IP1 promotes oligomerization and increases its activity.

NCBI AND UNIPROT INFORMATION

NCBI GI #	38679960
NCBI GeneID	31
NCBI Accession #	NP_942131.1
NCBI GenBank Nucleotide #	NP_942131.1
UniProt Accession #	Q13085
Molecular Weight	Observed: 280 kDa Predicted: 266 kDa
NCBI Official Full Name	acetyl-CoA carboxylase 1 isoform 1
NCBI Official Synonym Full Names	acetyl-CoA carboxylase alpha
NCBI Official Symbol	ACACA
NCBI Official Synonym Symbols	ACC; ACAC; ACC1; ACCA; ACACAD
NCBI Protein Information	acetyl-CoA carboxylase 1
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/polyclonal/acc1-antibody-peptide-elisa-immunohistochemistry-western-blot-elisa/328495>