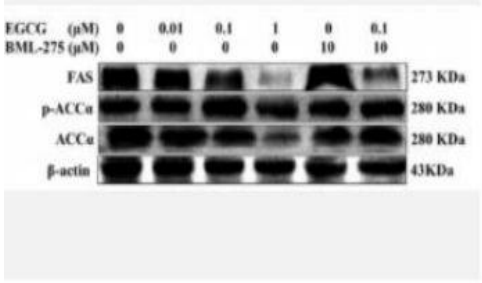
PRODUCT DATA SHEET

ACCα Polyclonal Antibody

Catalog No.	IPB0315
Reactivity	Human; Mouse; Rat
Applications	WB; IHC-p; ELISA
Dilution	WB: 1:500-1:2000 IHC: 1:50-1:200 ELISA: 1:5000
Gene Name	ACACA
Protein Name	Acetyl-CoA carboxylase 1
Human Gene Id	31
Swiss-Prot	Q13085
Formulation	Liquid in PBS containing 50% glycerol, 05% BSA and 002% sodium azide
Source	Rabbit
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Concentration	1 mg/ml
Storage&Stability	-20°C/1 year
Subcellular Location	Cytoplasm, cytosol
MW	265554
Background	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

Products Images:



Ding, Hongyan, et al. "Epigallocatechin-3-gallate activates the AMP-activated protein kinase signaling pathway to reduce lipid accumulation in canine hepatocytes." Journal of Cellular Physiology 236.1 (2021): 405-416.

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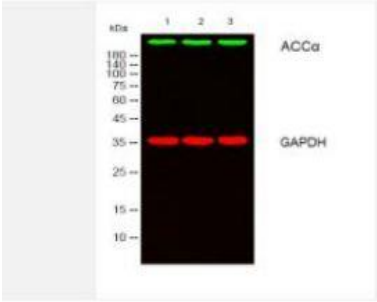
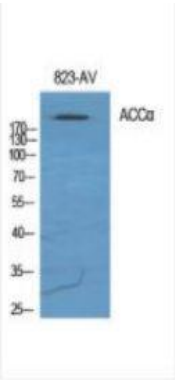
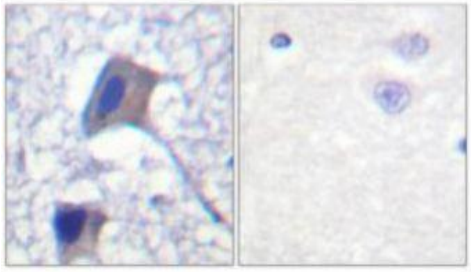


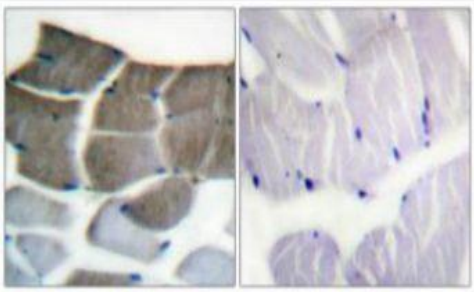
Western blot analysis of lysates from 1) Hela, 2) 293T ,3) NIH/3T3 cells, （Green） primary antibody was diluted at 1:1000, 4°over night, secondary antibody(cat:RS23920)was diluted at 1:10000, 37° 1hour. （Red） GAPDH Monoclonal Antibody(2B8) (cat:YM3029) antibody was diluted at 1:5000 as loading control, 4° over night,secondary antibody(cat:RS23710)was diluted at 1:10000, 37° 1hour.



Western Blot analysis of various cells using ACCα Polyclonal Antibody diluted at 1:1000



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



Immunohistochemistry analysis of paraffin-embedded human skeletal muscle tissue, using ACC1 Antibody. The picture on the right is blocked with the synthesized peptide.

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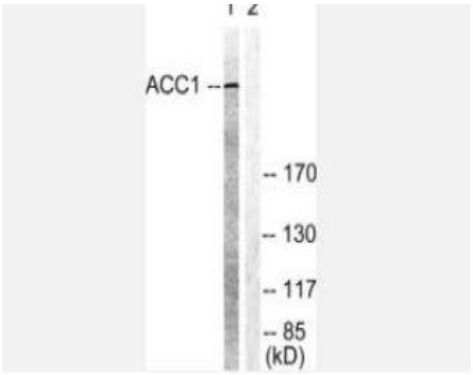

Western blot analysis of lysates from NIH/3T3 cells, treated with PMA 125ng/ml 30', using ACC1 Antibody. The lane on the right is blocked with the synthesized peptide.