



# ACC1 Mouse mAb

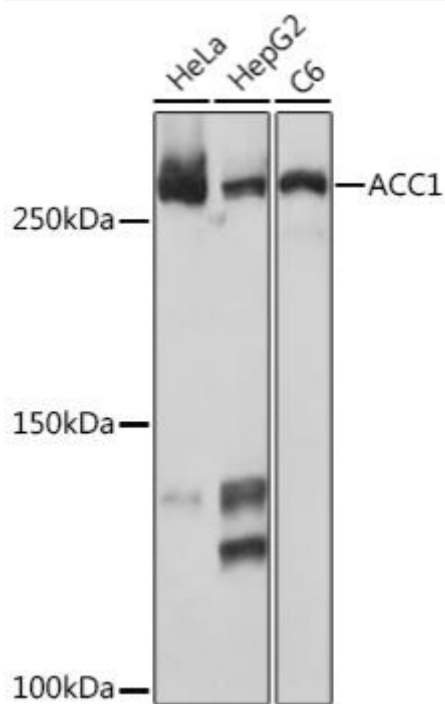
<b>Catalog No</b>	YP-mAb-18578
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human, Mouse, Rat
<b>Applications</b>	WB
<b>Gene Name</b>	
<b>Protein Name</b>	
<b>Immunogen</b>	A synthetic peptide corresponding to a sequence within amino acids 350-450 of human ACC1 (Q13085)
<b>Specificity</b>	
<b>Formulation</b>	
<b>Source</b>	
<b>Purification</b>	Affinity purification
<b>Dilution</b>	WB 1:500 - 1:2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	ACC; ACAC; ACC1; ACCA; Acac1; hACC1; ACACAD; ACCalpha; ACACalpha
<b>Observed Band</b>	277kDa
<b>Cell Pathway</b>	
<b>Tissue Specificity</b>	
<b>Function</b>	
<b>Background</b>	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.
<b>matters needing attention</b>	Avoid repeated freezing and thawing!



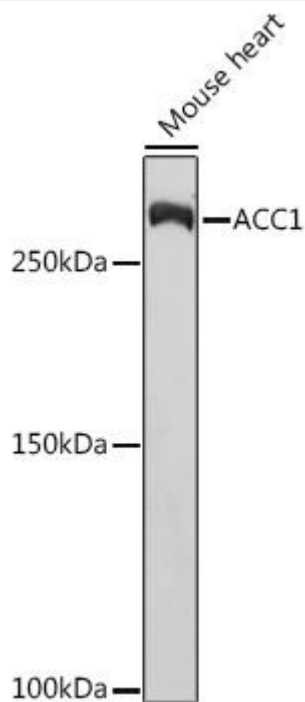
## Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western blot analysis of various lysates using ACC1 Mouse mAb (A19627) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s



Western blot analysis of lysates from Mouse heart, using ACC1 Mouse mAb (A19627) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.