Product Datasheet

Anti- Acetyl Coenzyme A Carboxylase/ACC Rabbit pAb

WLA0519

For Research Use Only.Not For Use In Diagnostic Procedures

Product Information

Product name	Anti- Acetyl Coenzyme A Carboxylase/ACC Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	WB	1:1000-1:2000
	IHC, IF	1:100-1:500
Cellular localization	Cytoplasm.	
Pack size	50/100/200/500/1000µl	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

Background

Acetyl CoA carboxylase (ACC) is a complex multifunctional enzyme system. ACC is an enzyme containing biotin that catalyzes the carboxylation of acetyl CoA to acetyl CoA, which is a rate limiting step in fatty acid synthesis. There are two forms of ACC, Alpha and Beta, encoded by two different genes. ACC - α is highly enriched in adipose tissue. This enzyme has long-term control at the transcription and translation levels, and short-term regulation through targeted phosphorylation/dephosphorylation of serine residues and conformational transformation via citrate or palmitic acid COA. ACC1 is highly enriched in adipose tissue (liver and fat), while ACC2 is mainly expressed in oxidized tissue (heart, skeletal muscle, and liver).

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of Acetyl Coenzyme A Carboxylase/ACC.

Purification

Polyclonal antibody was purified by Protein A affinity chromatography.

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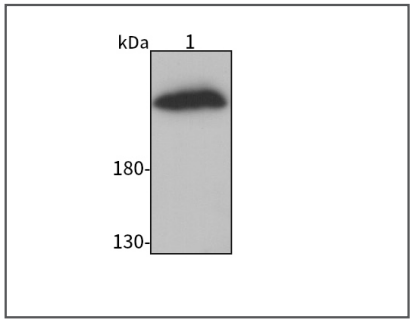
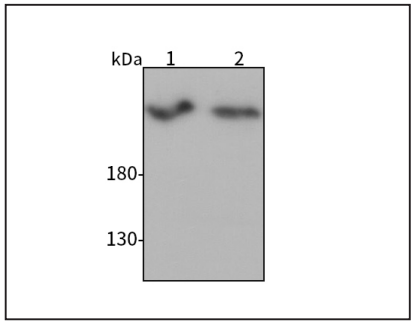
Product Images



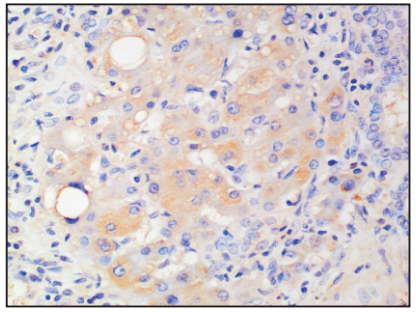
Western blot-Anti- Acetyl Coenzyme A Carboxylase/ACC pAb

Lane 1: Human Hela cell lasate
All lanes: Anti- Acetyl Coenzyme A Carboxylase/ACC at 1:1000 dilution
Lysates/proteins at 20-50 µg per lane.
Predicted band size: 265 kDa
Observed band size: 265 kDa



Western blot-Anti- Acetyl Coenzyme A Carboxylase/ACC pAb

Lane 1: Mouse kidney tissue lysate
Lane 2: Rat kidney tissue lysate
All lanes: Anti- Acetyl Coenzyme A Carboxylase/ACC at 1:1000 dilution
Lysates/proteins at 20-50 µg per lane.
Predicted band size: 265 kDa
Observed band size: 265 kDa



Immunohistochemistry-Anti- Acetyl Coenzyme A Carboxylase/ACC pAb

Immunohistochemical analysis of paraffin-embedded human liver cancer using anti- Acetyl Coenzyme A Carboxylase/ACC Rabbit Antibody at 1:100 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

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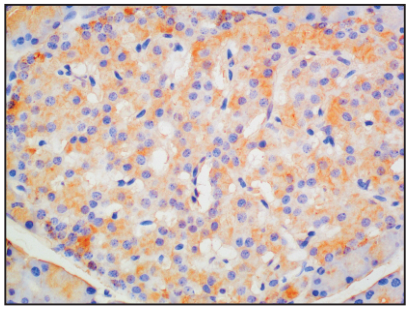
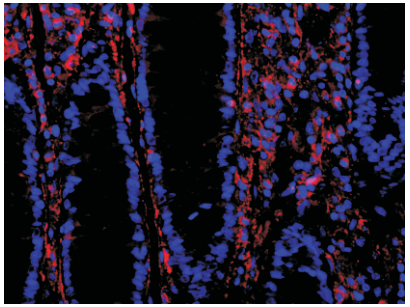


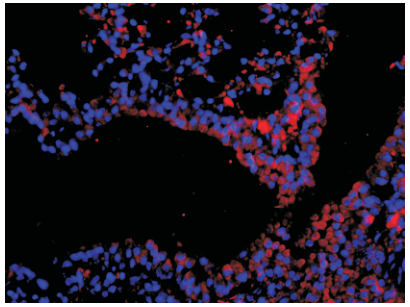
Immunohistochemistry-Anti- Acetyl Coenzyme A Carboxylase/ACC pAb

Immunohistochemical analysis of paraffin-embedded rat pancreas using anti- Acetyl Coenzyme A Carboxylase/ACC Rabbit Antibody at 1:100 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-Acetyl Coenzyme A Carboxylase/ACC pAb

Immunofluorescence analysis of paraffin-embedded human colon cancer using anti- Acetyl Coenzyme A Carboxylase/ACC Rabbit Antibody at 1:100 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-Acetyl Coenzyme A Carboxylase/ACC pAb

Immunofluorescence analysis of paraffin-embedded mouse lung gland using anti- Acetyl Coenzyme A Carboxylase/ACC Rabbit Antibody at 1:100 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0