

Basic Information

Product Name	Anti-Zebrafish ACC1/ACACA Antibody	
Gene Name	ACACA	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	zebrafish	
Tested Application	WB, IHC, IF	
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.	
Immunogen	E.coli-derived Zebrafish ACC1/ACACA recombinant protein (Position: I799-H1324).	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	269 kDa	
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunofluorescence (IF): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

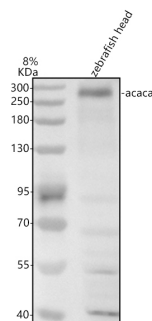
Storage

12 months from date of receipt, -20°C as supplied.

Background Information

Predicted to enable acetyl-CoA carboxylase activity. Acts upstream of or within response to (R)-carnitine. Predicted to be located in cytoplasm. Predicted to be active in mitochondrion. Is expressed in female organism; liver; male organism; subcutaneous fat; and visceral fat. Orthologous to human ACACA (acetyl-CoA carboxylase alpha).

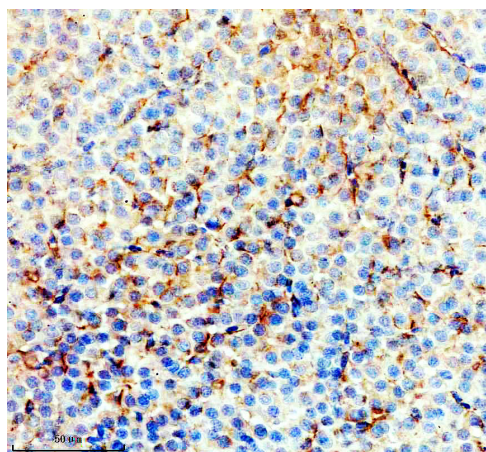
Selected Validation Data



Western blot analysis of ACC1/ACACA using anti-ACC1/ACACA antibody (AZA0A8M6YZ52). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

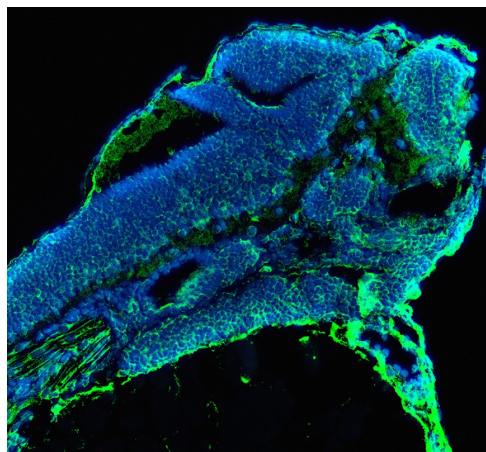
Lane 1: zebrafish head tissue lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-ACC1/ACACA antigen affinity purified polyclonal antibody (AZA0A8M6YZ52) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for ACC1/ACACA at approximately 269 kDa. The expected band size for ACC1/ACACA is at 269 kDa.



IHC analysis of ACC1/ACACA using anti-ACC1/ACACA antibody (AZA0A8M6YZ52).

ACC1/ACACA was detected in a paraffin-embedded section of zebrafish liver tissue. The tissue section was incubated with rabbit anti-ACC1/ACACA Antibody (AZA0A8M6YZ52) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.



IF analysis of ACC1/ACACA using anti-ACC1/ACACA antibody (AZA0A8M6YZ52).

ACC1/ACACA was detected in a paraffin-embedded section of zebrafish embryo tissue. The tissue section was incubated with rabbit anti-ACC1/ACACA Antibody (AZA0A8M6YZ52) at a dilution of 1:100. Fluoro488 Conjugated Goat Anti-Rabbit IgG (Green) (Catalog # BA1127) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).