BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Zebrafish ACC1/ACACA Antibody Picoband®

Catalog Number: AZA0A8M6YZ52

About ACACA

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).

Overview

Product Name	Anti-Zebrafish ACC1/ACACA Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish ACC1/ACACA Antibody Picoband® catalog # AZA0A8M6YZ52. Tested in WB, IHC, IF applications. This antibody reacts with Zebrafish. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	IF, IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage Instructions	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	A0A8M6YZ52

Technical Details

Immunogen	E.coli-derived Zebrafish ACC1/ACACA recombinant protein (Position: I799-H1324).
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Zebrafish Immunohistochemistry(Paraffin-embedded Section), 2-5 ug/ml, Zebrafish Immunofluorescence, 2 ug/ml, Zebrafish

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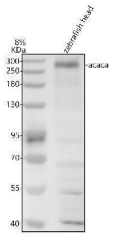
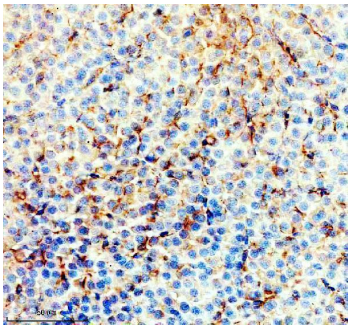
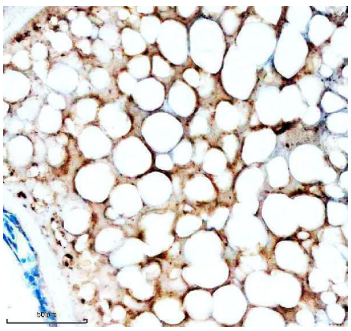
Anti-Zebrafish ACC1/ACACA Antibody Picoband® (AZA0A8M6YZ52) Images



Western blot analysis of ACC1/ACACA using anti-ACC1/ACACA antibody (AZA0A8M6YZ52). Electrophoresis was performed on a 8% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. 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 nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-ACC1/ACACA antigen affinity purified polyclonal antibody (AZA0A8M6YZ52) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. 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. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-ACC1/ACACA Antibody (AZA0A8M6YZ52) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



IHC analysis of ACC1/ACACA using anti-ACC1/ACACA antibody (AZA0A8M6YZ52). ACC1/ACACA was detected in a paraffin-embedded section of zebrafish ovary tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-ACC1/ACACA Antibody (AZA0A8M6YZ52) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB 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. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was

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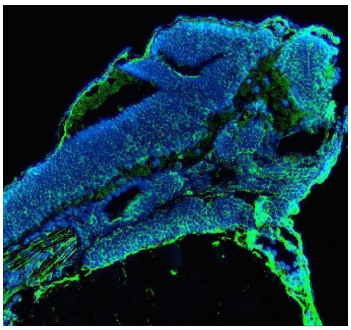

blocked with 10% goat serum. The tissue section was then incubated with 5 ug/mL rabbit anti-ACC1/ACACA Antibody (AZA0A8M6YZ52) overnight at 4°C. DyLight®488 Conjugated Goat Anti-Rabbit IgG (BA1127) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

Anti-Zebrafish ACC1/ACACA Antibody

For Research Use Only. Not for use in diagnostic procedures.