BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Zebrafish LCLAT1 Antibody Picoband®

Catalog Number: AZQ6NYV8

About LCLAT1

Predicted to enable 1-acylglycerol-3-phosphate O-acyltransferase activity. Acts upstream of or within endothelial cell development and hemangioblast cell differentiation. Predicted to be located in endoplasmic reticulum membrane. Predicted to be active in endoplasmic reticulum. Is expressed in hematopoietic stem cell. Orthologous to human LCLAT1 (lysocardiolipin acyltransferase 1).

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Overview

Product Name	Anti-Zebrafish LCLAT1 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish LCLAT1 Antibody Picoband® catalog # AZQ6NYV8. Tested in WB 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	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	Q6NYV8

Technical Details

Immunogen	E.coli-derived Zebrafish LCLAT1 recombinant protein (Position: D71-E388).
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

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Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Zebrafish

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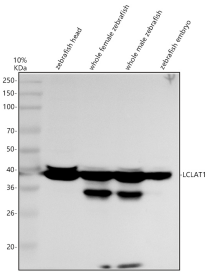
Anti-Zebrafish LCLAT1 Antibody Picoband® (AZQ6NYV8) Images



Western blot analysis of LCLAT1 using anti-LCLAT1 antibody (AZQ6NYV8). Electrophoresis was performed on a 10% 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 lysates, Lane 2: whole female zebrafish lysates, Lane 3: whole male zebrafish lysates, Lane 4: zebrafish embryo 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-LCLAT1 antigen affinity purified polyclonal antibody (AZQ6NYV8) 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 LCLAT1 at approximately 40 kDa. The expected band size for LCLAT1 is at 45 kDa.

Anti-Zebrafish LCLAT1 Antibody

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