

Anti-Zebrafish ALAS2 Antibody Picoband®

Catalog Number: AZQ9YHT4

About ALAS2

Predicted to enable 5-aminolevulinate synthase activity. Acts upstream of or within heme biosynthetic process; hemoglobin biosynthetic process; and hemopoiesis. Predicted to be located in mitochondrial inner membrane. Predicted to be active in mitochondrion. Is expressed in erythroid progenitor cell; hematopoietic system; mesoderm; and renal system. Used to study sideroblastic anemia. Human ortholog(s) of this gene implicated in cutaneous porphyria; erythropoietic protoporphyria; hemochromatosis; sideroblastic anemia; and sideroblastic anemia 1. Orthologous to human ALAS2 (5'-aminolevulinate synthase 2).

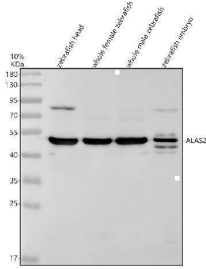
Overview

Product Name	Anti-Zebrafish ALAS2 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish ALAS2 Antibody Picoband® catalog # AZQ9YHT4. 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 Na ₂ HPO ₄ .
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	Q9YHT4

Technical Details

Immunogen	E.coli-derived Zebrafish ALAS2 recombinant protein (Position: G16-Q583).
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

Anti-Zebrafish ALAS2 Antibody Picoband® (AZQ9YHT4) Images



Western blot analysis of ALAS2 using anti-ALAS2 antibody (AZQ9YHT4). 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 tissue lysates, Lane 2: whole female zebrafish tissue lysates, Lane 3: whole male zebrafish tissue lysates, Lane 4: zebrafish embryo 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-ALAS2 antigen affinity purified polyclonal antibody (AZQ9YHT4) 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 ALAS2 at approximately 50 kDa. The expected band size for ALAS2 is at 49 kDa.

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