

Anti-Zebrafish SRP54 Antibody Picoband®

Catalog Number: AZQ7ZVN5

About SRP54

Predicted to enable 7S RNA binding activity and endoplasmic reticulum signal peptide binding activity. Predicted to contribute to GTPase activity. Acts upstream of or within exocrine pancreas development and neutrophil chemotaxis. Predicted to be located in endoplasmic reticulum and nuclear speck. Predicted to be part of signal recognition particle, endoplasmic reticulum targeting. Predicted to be active in cytosol. Used to study Shwachman-Diamond syndrome and neutropenia. Human ortholog(s) of this gene implicated in severe congenital neutropenia 8. Orthologous to human SRP54 (signal recognition particle 54).

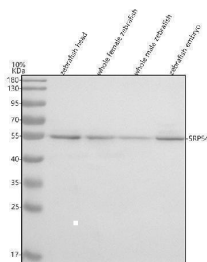
Overview

Product Name	Anti-Zebrafish SRP54 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish SRP54 Antibody Picoband® catalog # AZQ7ZVN5. 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	Q7ZVN5

Technical Details

Immunogen	E.coli-derived zebrafish SRP54 recombinant protein (Position: M1-K433).
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 SRP54 Antibody Picoband® (AZQ7ZVN5) Images



Western blot analysis of SRP54 using anti-SRP54 antibody (AZQ7ZVN5). 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-SRP54 antigen affinity purified polyclonal antibody (AZQ7ZVN5) 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 SRP54 at approximately 56 kDa. The expected band size for SRP54 is at 56 kDa.

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Anti-Zebrafish SRP54 Antibody

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