

Anti-Zebrafish MYLPFA/FB Antibody Picoband®

Catalog Number: AZO93409

About MYLPFA(FB)

Predicted to enable calcium ion binding activity. Involved in actin-myosin filament sliding and muscle tissue morphogenesis. Acts upstream of or within skeletal muscle tissue development. Predicted to be part of myosin complex. Predicted to be active in cytoplasm. Is expressed in caudal fin; esophagus; musculature system; segmental plate; and somite. Used to study distal arthrogryposis type 1A. Human ortholog(s) of this gene implicated in distal arthrogryposis type 1C. Orthologous to human MYL11 (myosin light chain 11).

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Overview

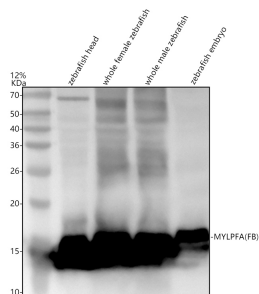
Product Name	Anti-Zebrafish MYLPFA/FB Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish MYLPFA/FB Antibody Picoband® catalog # AZO93409. Tested in WB applications. This antibody reacts with Zebrafish. The brand Picoband indicates this is a premium antibody that guarantees 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	O93409

Technical Details

Immunogen	E.coli-derived Zebrafish MYLPFA(FB) recombinant protein (Position: N41-L140).
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 MYLPFA/FB Antibody Picoband® (AZO93409) Images



Western blot analysis of MYLPFA(FB) using anti-MYLPFA(FB) antibody (AZO93409). Electrophoresis was performed on a 12% 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-MYLPFA(FB) antigen affinity purified polyclonal antibody (AZO93409) 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 MYLPFA(FB) at approximately 17 kDa. The expected band size for MYLPFA(FB) is at 19 kDa.

Anti-Zebrafish MYLPFA/FB Antibody

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