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

Anti-Zebrafish Profilin 1/PFN1 Antibody Picoband®

Catalog Number: AZE7F0A1

About PFN1

Predicted to enable actin binding activity. Acts upstream of or within convergent extension involved in gastrulation and epiboly involved in gastrulation with mouth forming second. Predicted to be located in cytoskeleton. Predicted to be active in cytoplasm. Is expressed in several structures, including blood; cardiovascular system; embryonic structure; head; and pectoral fin. Human ortholog(s) of this gene implicated in amyotrophic lateral sclerosis type 18. Orthologous to human PFN1 (profilin 1).

Submit a product review to Biocompare.com





Submit a review of this product to Biocompare.com to receive a $20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.

Overview

Product Name	Anti-Zebrafish Profilin 1/PFN1 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish Profilin 1/PFN1 Antibody Picoband® catalog # AZE7F0A1. Tested in WB, IHC 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	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	E7F0A1

Technical Details

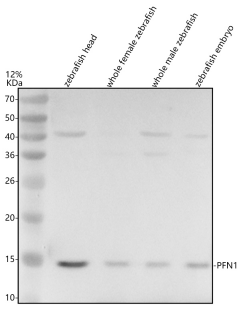
Immunogen	E.coli-derived Zebrafish Profilin 1/PFN1 recombinant protein (Position: A46-M141).
Form	Lyophilized

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

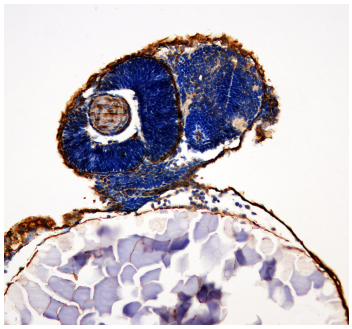
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Zebrafish Immunohistochemistry (Paraffin-embedded Section), 2-5 ug/ml, Zebrafish

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

Anti-Zebrafish Profilin 1/PFN1 Antibody Picoband® (AZE7F0A1) Images



Western blot analysis of Profilin 1/PFN1 using anti-Profilin 1/PFN1 antibody (AZE7F0A1). 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 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-Profilin 1/PFN1 antigen affinity purified polyclonal antibody (AZE7F0A1) 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 Profilin 1/PFN1 at approximately 15 kDa. The expected band size for Profilin 1/PFN1 is at 15 kDa.



IHC analysis of Profilin 1/PFN1 using anti-Profilin 1/PFN1 antibody (AZE7F0A1). Profilin 1/PFN1 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 blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-Profilin 1/PFN1 Antibody (AZE7F0A1) 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.

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