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

Anti-Zebrafish IFT81 Antibody Picoband®

Catalog Number: AZQ6IVW2

About IFT81

Predicted to enable tubulin binding activity. Acts upstream of or within pronephros development and regulation of TOR signaling. Predicted to be located in cilium. Predicted to be part of intraciliary transport particle B. Predicted to be active in ciliary basal body. Is expressed in notochord; otic vesicle; pronephric duct; and ventricular system. Human ortholog(s) of this gene implicated in short-rib thoracic dysplasia 19 with or without polydactyly. Orthologous to human IFT81 (intraflagellar transport 81).

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Overview

Product Name	Anti-Zebrafish IFT81 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish IFT81 Antibody Picoband® catalog # AZQ6IVW2. 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	Q6IVW2

Technical Details

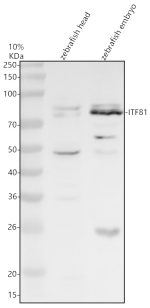
Immunogen	E.coli-derived Zebrafish IFT81 recombinant protein (Position: E10-M635).
Form	Lyophilized

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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

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Anti-Zebrafish IFT81 Antibody Picoband® (AZQ6IVW2) Images



Western blot analysis of IFT81 using anti-IFT81 antibody (AZQ6IVW2). 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: 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-IFT81 antigen affinity purified polyclonal antibody (AZQ6IVW2) 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 IFT81 at approximately 79 kDa. The expected band size for IFT81 is at 79 kDa.

Anti-Zebrafish IFT81 Antibody

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