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

Anti-Zebrafish SMAD6a Antibody Picoband®

Catalog Number: AZA0A8M1N6X6

About SMAD6a

Predicted to enable I-SMAD binding activity and transcription regulator inhibitor activity. Acts upstream of or within heart development; negative regulation of BMP signaling pathway; and negative regulation of SMAD protein signal transduction. Predicted to be located in cytoplasm and nucleus. Predicted to be part of heteromeric SMAD protein complex. Is expressed in heart primordium; heart rudiment; heart tube; and margin. Human ortholog(s) of this gene implicated in aortic valve disease 2; craniosynostosis 7; and radioulnar synostosis. Orthologous to human SMAD6 (SMAD family member 6).

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Overview

Product Name	Anti-Zebrafish SMAD6a Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish SMAD6a Antibody Picoband® catalog # AZA0A8M1N6X6. 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	A0A8M1N6X6

Technical Details

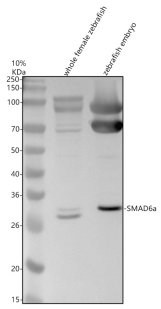
Immunogen	E.coli-derived Zebrafish SMAD6a recombinant protein (Position: P93-K430).
Form	Lyophilized

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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 SMAD6a Antibody Picoband® (AZA0A8M1N6X6) Images



Western blot analysis of SMAD6a using anti-SMAD6a antibody (AZA0A8M1N6X6). 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: whole female zebrafish 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-SMAD6a antigen affinity purified polyclonal antibody (AZA0A8M1N6X6) 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 SMAD6a at approximately 26 kDa. The expected band size for SMAD6a is at 26 kDa.

Anti-Zebrafish SMAD6a Antibody

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