

Anti-Zebrafish BMP2A Antibody Picoband®

Catalog Number: AZO13109

About BMP2A

Predicted to enable cytokine activity. Acts upstream of or within exocrine pancreas development and positive regulation of BMP signaling pathway. Predicted to be located in extracellular region. Predicted to be active in extracellular space. Is expressed in several structures, including digestive system; fin; fin bud; mesoderm; and nervous system. Human ortholog(s) of this gene implicated in several diseases, including bone disease (multiple); hemochromatosis type 1; otosclerosis; short stature, facial dysmorphism, and skeletal anomalies with or without cardiac anomalies 1; and tooth agenesis. Orthologous to human BMP2 (bone morphogenetic protein 2).

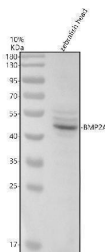
Overview

Product Name	Anti-Zebrafish BMP2A Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish BMP2A Antibody Picoband® catalog # AZO13109. 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	O13109

Technical Details

Immunogen	E.coli-derived Zebrafish BMP2A recombinant protein (Position: L24-R279).
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 BMP2A Antibody Picoband® (AZO13109) Images



Western blot analysis of BMP2A using anti-BMP2A antibody (AZO13109). 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. 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-BMP2A antigen affinity purified polyclonal antibody (AZO13109) 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 BMP2A at approximately 45 kDa. The expected band size for BMP2A is at 45 kDa.

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