BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Zebrafish GMDS Antibody Picoband®

Catalog Number: AZQ1LVF8

About GMDS

Enables fucosyltransferase activity. Acts upstream of or within several processes, including central nervous system development; regulation of Notch signaling pathway; and retina layer formation. Is expressed in several structures, including EVL; corneal epithelium; epidermis; neuromast; and periderm. Used to study congenital disorder of glycosylation type IIc. Human ortholog(s) of this gene implicated in open-angle glaucoma. Orthologous to human GMDS (GDP-mannose 4,6-dehydratase).

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Overview

Product Name	Anti-Zebrafish GMDS Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish GMDS Antibody Picoband® catalog # AZQ1LVF8. 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	Q1LVF8

Technical Details

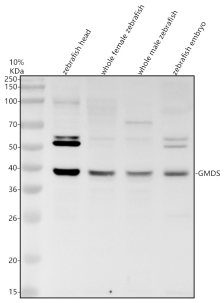
Immunogen	E.coli-derived Zebrafish GMDS recombinant protein (Position: M1-A370).
Form	Lyophilized

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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 GMDS Antibody Picoband® (AZQ1LVF8) Images



Western blot analysis of GMDS using anti-GMDS antibody (AZQ1LVF8). 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: 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-GMDS antigen affinity purified polyclonal antibody (AZQ1LVF8) 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 GMDS at approximately 40 kDa. The expected band size for GMDS is at 42 kDa.

Anti-Zebrafish GMDS Antibody

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