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

Anti-Zebrafish GRM6A Antibody Picoband®

Catalog Number: AZA0A0R4IRN2

About GRM6A

Predicted to enable group III metabotropic glutamate receptor activity. Predicted to be involved in G protein-coupled glutamate receptor signaling pathway and regulation of glutamatergic synaptic transmission. Predicted to act upstream of or within G protein-coupled receptor signaling pathway. Predicted to be located in membrane. Predicted to be active in plasma membrane. Is expressed in brain and retinal neural layer. Human ortholog(s) of this gene implicated in congenital stationary night blindness 1B. Orthologous to human GRM6 (glutamate metabotropic receptor 6).

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Overview

Product Name	Anti-Zebrafish GRM6A Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish GRM6A Antibody Picoband® catalog # AZA0A0R4IRN2. 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	A0A0R4IRN2

Technical Details

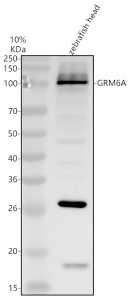
Immunogen	E.coli-derived Zebrafish GRM6A recombinant protein (Position: N290-Q908).
Form	Lyophilized

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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 GRM6A Antibody Picoband® (AZA0A0R4IRN2) Images



Western blot analysis of GRM6A using anti-GRM6A antibody (AZA0A0R4IRN2). 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-GRM6A antigen affinity purified polyclonal antibody (AZA0A0R4IRN2) 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 GRM6A at approximately 102 kDa. The expected band size for GRM6A is at 102 kDa.

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