BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Zebrafish GFRA3 Antibody Picoband®

Catalog Number: AZE7F4G1

About GFRA3

Predicted to enable signaling receptor activity. Acts upstream of or within branchiomeric skeletal muscle development. Predicted to be located in plasma membrane. Predicted to be part of receptor complex. Predicted to be active in external side of plasma membrane. Is expressed in hyoid muscle; pharyngeal arch; pharyngeal arch 1; pharyngeal arch 2; and pharyngeal musculature. Orthologous to human GFRA3 (GDNF family receptor alpha 3).

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Overview

Product Name	Anti-Zebrafish GFRA3 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish GFRA3 Antibody Picoband® catalog # AZE7F4G1. Tested in WB, IHC 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	IHC, 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	E7F4G1

Technical Details

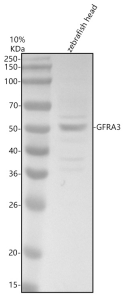
Immunogen	E.coli-derived Zebrafish GFRA3 recombinant protein (Position: E32-E205).
Form	Lyophilized

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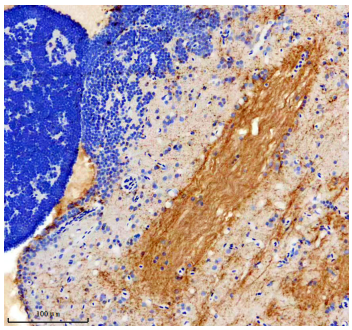
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Zebrafish Immunohistochemistry (Paraffin-embedded Section), 2-5 ug/ml, Zebrafish

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Anti-Zebrafish GFRA3 Antibody Picoband® (AZE7F4G1) Images



Western blot analysis of GFRA3 using anti-GFRA3 antibody (AZE7F4G1). 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-GFRA3 antigen affinity purified polyclonal antibody (AZE7F4G1) 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 GFRA3 at approximately 51 kDa. The expected band size for GFRA3 is at 51 kDa.



IHC analysis of GFRA3 using anti-GFRA3 antibody (AZE7F4G1). GFRA3 was detected in a paraffin-embedded section of zebrafish brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-GFRA3 Antibody (AZE7F4G1) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

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