

Anti-Zebrafish FGF2 Antibody Picoband®

Catalog Number: AZB3DGE3

About FGF2

Predicted to enable fibroblast growth factor receptor binding activity and growth factor activity. Acts upstream of or within Kupffer's vesicle development. Predicted to be located in extracellular region. Predicted to be active in cytoplasm; extracellular space; and nucleus. Is expressed in brain; eye; forerunner cell group; and kidney. Human ortholog(s) of this gene implicated in several diseases, including Parkinsonism; corneal neovascularization; diabetic neuropathy; gastric ulcer; and impotence. Orthologous to human FGF2 (fibroblast growth factor 2).

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Overview

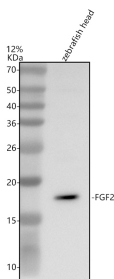
Product Name	Anti-Zebrafish FGF2 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish FGF2 Antibody Picoband® catalog # AZB3DGE3. Tested in WB applications. This antibody reacts with Zebrafish. The brand Picoband indicates this is a premium antibody that guarantees superior 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	B3DGE3

Technical Details

Immunogen	E.coli-derived Zebrafish FGF2 recombinant protein (Position: D14-C154).
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 FGF2 Antibody Picoband® (AZB3DGE3) Images



Western blot analysis of FGF2 using anti-FGF2 antibody (AZB3DGE3). Electrophoresis was performed on a 12% 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-FGF2 antigen affinity purified polyclonal antibody (AZB3DGE3) 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 FGF2 at approximately 17 kDa. The expected band size for FGF2 is at 17 kDa.

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