

## Anti-Zebrafish ACKR3A Antibody Picoband®

Catalog Number: AZA0A2R8PYR8

### About ACKR3A

Predicted to enable C-C chemokine binding activity and C-C chemokine receptor activity. Acts upstream of or within chemotaxis and posterior lateral line neuromast primordium migration. Predicted to be located in plasma membrane. Predicted to be active in external side of plasma membrane. Is expressed in several structures, including midbrain hindbrain boundary neural rod; midbrain neural rod; midbrain neural tube; presumptive endoderm; and rhombomere. Orthologous to human ACKR3 (atypical chemokine receptor 3).

### Overview

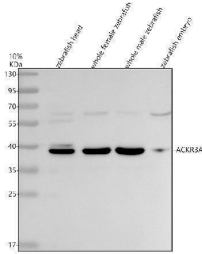
Product Name	Anti-Zebrafish ACKR3A Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish ACKR3A Antibody Picoband® catalog # AZA0A2R8PYR8. Tested in WB, IHC applications. This antibody reacts with Zebrafish. The brand Picoband indicates this is a premium antibody that guarantees 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 Na <sub>2</sub> HPO <sub>4</sub> .
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	A0A2R8PYR8

### Technical Details

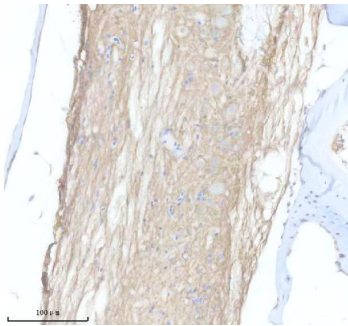
Immunogen	E.coli-derived Zebrafish ACKR3A recombinant protein (Position: M1-A324).
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Zebrafish Immunohistochemistry(Paraffin-embedded Section), 2-5 ug/ml, Zebrafish



## Anti-Zebrafish ACKR3A Antibody Picoband® (AZA0A2R8PYR8) Images



Western blot analysis of ACKR3A using anti-ACKR3A antibody (AZA0A2R8PYR8). 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-ACKR3A antigen affinity purified polyclonal antibody (AZA0A2R8PYR8) 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 ACKR3A at approximately 40 kDa. The expected band size for ACKR3A is at 40 kDa.



IHC analysis of ACKR3A using anti-ACKR3A antibody (AZA0A2R8PYR8). ACKR3A was detected in a paraffin-embedded section of zebrafish spinal cord 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-ACKR3A Antibody (AZA0A2R8PYR8) 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.

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### Anti-Zebrafish ACKR3A Antibody

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