

Anti-Zebrafish TRPM4/4A Antibody Picoband®

Catalog Number: AZA0A8M1P6E5

About TRPM4(4A)

The protein encoded by this gene is a calcium-activated nonselective ion channel that mediates transport of monovalent cations across membranes, thereby depolarizing the membrane. The activity of the encoded protein increases with increasing intracellular calcium concentration, but this channel does not transport calcium.

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Overview

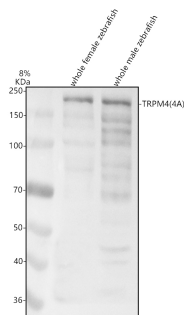
Product Name	Anti-Zebrafish TRPM4/4A Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish TRPM4/4A Antibody Picoband® catalog # AZA0A8M1P6E5. Tested in WB applications. This antibody reacts with Zebrafish. The brand Picoband indicates this is a premium antibody that guarantees 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	A0A8M1P6E5

Technical Details

Immunogen	E.coli-derived Zebrafish TRPM4(4A) recombinant protein (Position: R57-E803).
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 TRPM4/4A Antibody Picoband® (AZA0A8M1P6E5) Images



Western blot analysis of TRPM4(4A) using anti-TRPM4(4A) antibody (AZA0A8M1P6E5). Electrophoresis was performed on a 8% 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: whole female zebrafish tissue lysates, Lane 2: whole male zebrafish 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-TRPM4(4A) antigen affinity purified polyclonal antibody (AZA0A8M1P6E5) 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 TRPM4(4A) at approximately 201 kDa. The expected band size for TRPM4(4A) is at 201 kDa.

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