

Anti-Zebrafish COX-1/Cyclooxygenase-1/PTGS1 Antibody Picoband®

Catalog Number: AZQ8JH44

About PTGS1

Enables peroxidase activity and prostaglandin-endoperoxide synthase activity. Acts upstream of or within several processes, including embryonic liver development; exocrine pancreas development; and vasculogenesis. Predicted to be located in endoplasmic reticulum membrane. Predicted to be active in cytoplasm and neuron projection. Is expressed in several structures, including cardiovascular system; digestive system; eye; mesoderm; and pleuroperitoneal region. Human ortholog(s) of this gene implicated in Alzheimer's disease. Orthologous to human PTGS1 (prostaglandin-endoperoxide synthase 1).

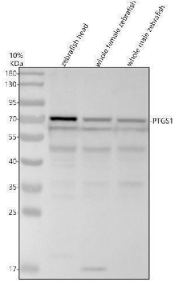
Overview

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| Product Name | Anti-Zebrafish COX-1/Cyclooxygenase-1/PTGS1 Antibody Picoband® |
| Reactive Species | Zebrafish |
| Description | Boster Bio Anti-Zebrafish COX-1/Cyclooxygenase-1/PTGS1 Antibody Picoband® catalog # AZQ8JH44. 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 | Q8JH44 |

Technical Details

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| Immunogen | E.coli-derived Zebrafish PTGS1 recombinant protein (Position: G164-L597). |
| Form | Lyophilized |
| Concentration | Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml. |
| Purification | Immunogen affinity purified. |
| Suggested Dilutions | Western blot, 0.25-0.5 µg/ml, Zebrafish |

Anti-Zebrafish COX-1/Cyclooxygenase-1/PTGS1 Antibody Picoband® (AZQ8JH44) Images



Western blot analysis of PTGS1 using anti-PTGS1 antibody (AZQ8JH44). 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. 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-PTGS1 antigen affinity purified polyclonal antibody (AZQ8JH44) 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 PTGS1 at approximately 72 kDa. The expected band size for PTGS1 is at 65 kDa.

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