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

# Anti-Zebrafish BACE1 Antibody Picoband®

**Catalog Number:** AZQ6NZT7

## About BACE1

Predicted to enable aspartic-type endopeptidase activity. Acts upstream of or within myelination in peripheral nervous system and positive regulation of myelination. Predicted to be located in several cellular components, including cytoplasmic vesicle; lysosome; and membrane raft. Predicted to be active in endosome; plasma membrane; and trans-Golgi network. Is expressed in brain. Human ortholog(s) of this gene implicated in Alzheimer's disease. Orthologous to human BACE1 (beta-secretase 1).

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## Overview

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| Product Name | Anti-Zebrafish BACE1 Antibody Picoband® |
| Reactive Species | Zebrafish |
| Description | Boster Bio Anti-Zebrafish BACE1 Antibody Picoband® catalog # AZQ6NZT7. 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 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 | Q6NZT7 |

## Technical Details

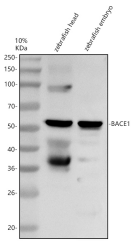
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|---|---|
| Immunogen | E.coli-derived Zebrafish BACE1 recombinant protein (Position: R305-E458). |
| Form | Lyophilized |

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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 |

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# Anti-Zebrafish BACE1 Antibody Picoband® (AZQ6NZT7) Images




Western blot analysis of BACE1 using anti-BACE1 antibody (AZQ6NZT7). 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 lysates, Lane 2: zebrafish embryo 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-BACE1 antigen affinity purified polyclonal antibody (AZQ6NZT7) 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 BACE1 at approximately 56 kDa. The expected band size for BACE1 is at 56 kDa.

Anti-Zebrafish BACE1 Antibody

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