BOSTER BIOLOGICAL TECHNOLOGY
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# Anti-Zebrafish PAI-1/SERPINE1 Antibody Picoband®

**Catalog Number:** AZA8WGQ0

## About SERPINE1

Predicted to enable serine-type endopeptidase inhibitor activity. Predicted to be involved in negative regulation of plasminogen activation; negative regulation of wound healing; and positive regulation of coagulation. Predicted to be active in extracellular region. Is expressed in bulbus arteriosus and heart. Human ortholog(s) of this gene implicated in several diseases, including artery disease (multiple); diabetic retinopathy (multiple); liver disease (multiple); lung disease (multiple); and peripheral vascular disease (multiple). Orthologous to human SERPINE1 (serpin family E member 1).

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## Overview

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|---|---|
| Product Name | Anti-Zebrafish PAI-1/SERPINE1 Antibody Picoband® |
| Reactive Species | Zebrafish |
| Description | Boster Bio Anti-Zebrafish PAI-1/SERPINE1 Antibody Picoband® catalog # AZA8WGQ0. 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 | A8WGQ0 |

## Technical Details

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| Immunogen | E.coli-derived Zebrafish PAI-1/SERPINE1 recombinant protein (Position: N19-D291). |
| 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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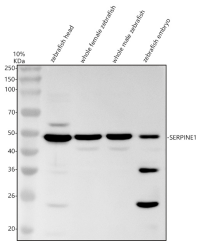
# Anti-Zebrafish PAI-1/SERPINE1 Antibody Picoband® (AZA8WGQ0) Images




Western blot analysis of PAI-1/SERPINE1 using anti-PAI-1/SERPINE1 antibody (AZA8WGQ0). 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: whole female zebrafish lysates, Lane 3: whole male zebrafish lysates, Lane 4: 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-PAI-1/SERPINE1 antigen affinity purified polyclonal antibody (AZA8WGQ0) 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 PAI-1/SERPINE1 at approximately 50 kDa. The expected band size for PAI-1/SERPINE1 is at 45-50 kDa.

Anti-Zebrafish PAI-1/SERPINE1 Antibody

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