BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

# Anti-Zebrafish POLR2D Antibody

**Catalog Number:** AZA0A8M1N062

## About POLR2D

DNA-directed RNA polymerase II subunit RPB4 is an enzyme that in humans is encoded by the POLR2D gene. This gene encodes the fourth largest subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. In yeast, this polymerase subunit is associated with the polymerase under suboptimal growth conditions and may have a stress protective role. A sequence for a ribosomal pseudogene is contained within the 3' untranslated region of the transcript from this gene.

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## Overview

| | |
|---|---|
| Product Name | Anti-Zebrafish POLR2D Antibody |
| Reactive Species | Zebrafish |
| Description | Boster Bio Anti-Zebrafish POLR2D Antibody catalog # AZA0A8M1N062. Tested in IHC applications. This antibody reacts with Zebrafish. |
| Application | IHC |
| 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 | A0A8M1N062 |

## Technical Details

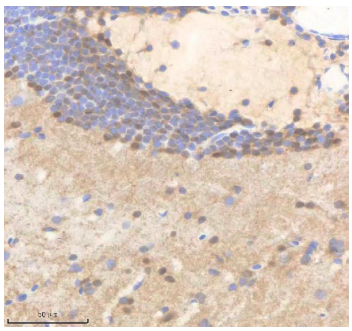
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|---|---|
| Immunogen | E.coli-derived zebrafish POLR2D recombinant protein (Position: A10-D127). |
| Form | Lyophilized |
| Concentration | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. |
| Purification | Immunogen affinity purified. |

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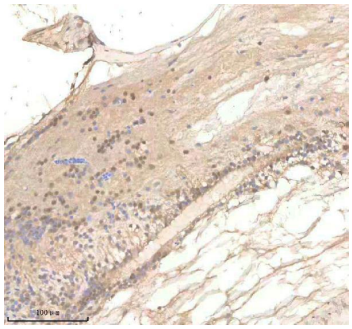
| | |
|---|---|
| Suggested Dilutions | Immunohistochemistry(Paraffin-embedded Section), 2-5 ug/ml, Zebrafish |

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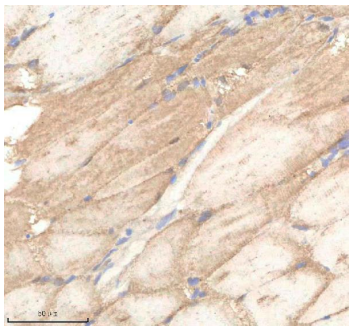
# Anti-Zebrafish POLR2D Antibody (AZA0A8M1N062) Images



IHC analysis of POLR2D using anti-POLR2D antibody (AZA0A8M1N062). POLR2D was detected in a paraffin-embedded section of zebrafish brain 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-POLR2D Antibody (AZA0A8M1N062) 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.



IHC analysis of POLR2D using anti-POLR2D antibody (AZA0A8M1N062). POLR2D was detected in a paraffin-embedded section of zebrafish spinal 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-POLR2D Antibody (AZA0A8M1N062) 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.



IHC analysis of POLR2D using anti-POLR2D antibody (AZA0A8M1N062). POLR2D was detected in a paraffin-embedded section of zebrafish muscle 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-POLR2D Antibody (AZA0A8M1N062) 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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