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

Anti-Zebrafish DGCR8 Antibody

Catalog Number: AZA2BEG3

About DGCR8

The DGCR8 microprocessor complex subunit (DiGeorge syndrome chromosomal [or critical] region 8) is a protein that in humans is encoded by the DGCR8 gene. This gene encodes a subunit of the microprocessor complex which mediates the biogenesis of microRNAs from the primary microRNA transcript. The encoded protein is a double-stranded RNA binding protein that functions as the non-catalytic subunit of the microprocessor complex. This protein is required for binding the double-stranded RNA substrate and facilitates cleavage of the RNA by the ribonuclease III protein, Drosha. Alternate splicing results in multiple transcript variants.

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Overview

Product Name	Anti-Zebrafish DGCR8 Antibody
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish DGCR8 Antibody catalog # AZA2BEG3. Tested in IF, IHC applications. This antibody reacts with Zebrafish.
Application	IF, 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	A2BEG3

Technical Details

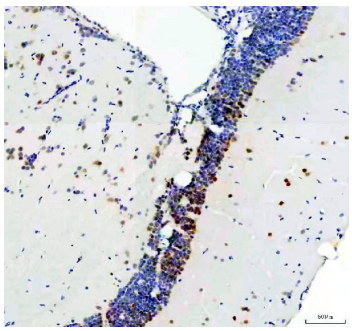
Immunogen	E.coli-derived zebrafish DGCR8 recombinant protein (Position: K570-Q771).
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

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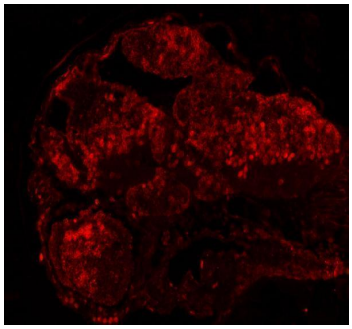
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry(Paraffin-embedded Section), 2-5 ug/ml, Zebrafish Immunofluorescence, 5 ug/ml, Zebrafish

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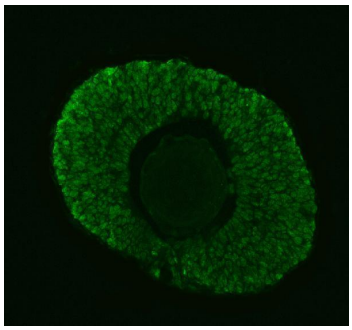
Anti-Zebrafish DGCR8 Antibody (AZA2BEG3) Images



IHC analysis of DGCR8 using anti-DGCR8 antibody (AZA2BEG3). DGCR8 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-DGCR8 Antibody (AZA2BEG3) 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.



IF analysis of DGCR8 using anti-DGCR8 antibody (AZA2BEG3). DGCR8 was detected in a paraffin-embedded section of zebrafish embryo 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 5 ug/mL rabbit anti-DGCR8 Antibody (AZA2BEG3) overnight at 4°C. Cy3-conjugated Anti-rabbit IgG Secondary Antibody (BA1032) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37°C. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



IF analysis of DGCR8 using anti-DGCR8 antibody (AZA2BEG3). DGCR8 was detected in a paraffin-embedded section of zebrafish embryo 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 5 ug/mL rabbit anti-DGCR8 Antibody (AZA2BEG3) overnight at 4°C. DyLight®488 Conjugated Goat Anti-Rabbit IgG (BA1127) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37°C. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

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