

Anti-Zebrafish IGF1RA Antibody

Catalog Number: AZA0A8M6YTF7

About IGF1RA

Enables cysteine-type endopeptidase inhibitor activity involved in apoptotic process and insulin-like growth factor binding activity. Acts upstream of or within several processes, including embryonic organ development; fin regeneration; and insulin-like growth factor receptor signaling pathway. Predicted to be located in membrane. Predicted to be part of insulin receptor complex. Predicted to be active in axon and plasma membrane. Is expressed in several structures, including digestive system; female organism; male organism; musculature system; and reproductive system. Human ortholog(s) of this gene implicated in several diseases, including IgA glomerulonephritis; dementia (multiple); kidney cancer (multiple); liver disease (multiple); and neurodegenerative disease (multiple). Orthologous to human IGF1R (insulin like growth factor 1 receptor).

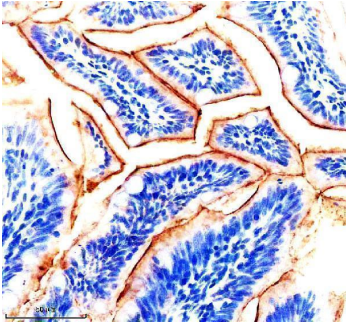
Overview

Product Name	Anti-Zebrafish IGF1RA Antibody
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish IGF1RA Antibody catalog # AZA0A8M6YTF7. Tested in IHC, IF 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 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	A0A8M6YTF7

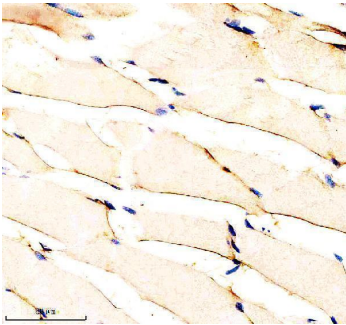
Technical Details

Immunogen	E.coli-derived Zebrafish IGF1RA recombinant protein (Position: H36-R886).
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry(Paraffin-embedded Section), 2-5 ug/ml, Zebrafish Immunofluorescence, 2 ug/ml, Zebrafish

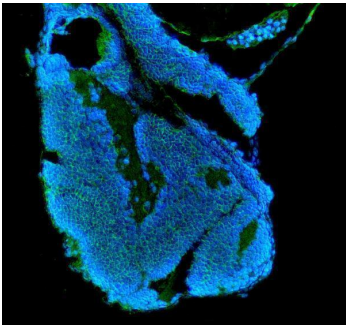
Anti-Zebrafish IGF1RA Antibody (AZA0A8M6YTF7) Images



IHC analysis of IGF1RA using anti-IGF1RA antibody (AZA0A8M6YTF7). IGF1RA was detected in a paraffin-embedded section of zebrafish colon 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-IGF1RA Antibody (AZA0A8M6YTF7) 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 IGF1RA using anti-IGF1RA antibody (AZA0A8M6YTF7). IGF1RA 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-IGF1RA Antibody (AZA0A8M6YTF7) 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 IGF1RA using anti-IGF1RA antibody (AZA0A8M6YTF7). IGF1RA 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-IGF1RA Antibody (AZA0A8M6YTF7) 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. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

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