

Anti-Zebrafish COL10A1A Antibody

Catalog Number: AZA2RQR3

About COL10A1A

Predicted to be an extracellular matrix structural constituent conferring tensile strength. Acts upstream of or within fin regeneration. Predicted to be located in extracellular region. Predicted to be part of collagen trimer. Predicted to be active in basement membrane and extracellular space. Is expressed in several structures, including fin; mesenchymal cell; osteoblast; osteoprogenitor cell; and skeletal system. Human ortholog(s) of this gene implicated in Schmid metaphyseal chondrodysplasia and osteochondrodysplasia. Orthologous to human COL10A1 (collagen type X alpha 1 chain).

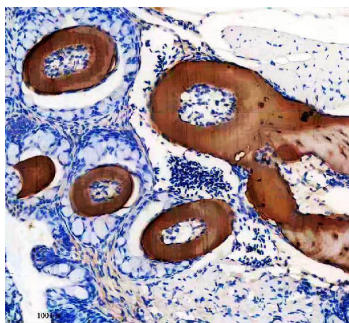
Overview

Product Name	Anti-Zebrafish COL10A1A Antibody
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish COL10A1A Antibody catalog # AZA2RQR3. 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 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	A2RQR3

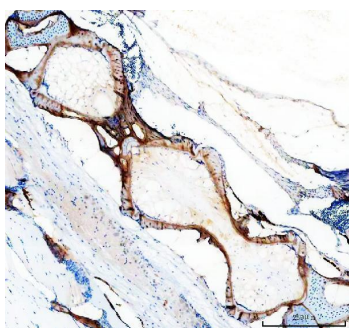
Technical Details

Immunogen	E.coli-derived Zebrafish COL10A1A recombinant protein (Position: I544-H644).
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, 2-5 ug/ml, Zebrafish

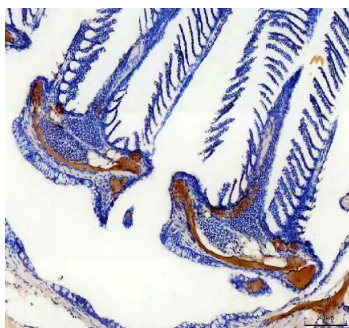
Anti-Zebrafish COL10A1A Antibody (AZA2RQR3) Images



IHC analysis of COL10A1A using anti-COL10A1A antibody (AZA2RQR3). COL10A1A was detected in a paraffin-embedded section of zebrafish tooth 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-COL10A1A Antibody (AZA2RQR3) 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 COL10A1A using anti-COL10A1A antibody (AZA2RQR3). COL10A1A was detected in a paraffin-embedded section of zebrafish vertebra 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-COL10A1A Antibody (AZA2RQR3) 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 COL10A1A using anti-COL10A1A antibody (AZA2RQR3). COL10A1A was detected in a paraffin-embedded section of zebrafish gill 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-COL10A1A Antibody (AZA2RQR3) 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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