BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Zebrafish Collagen Type I/COL1A2 Antibody Picoband®

Catalog Number: AZQ6IQX2

About COL1A2

Predicted to be an extracellular matrix structural constituent conferring tensile strength. Acts upstream of or within response to mechanical stimulus and skeletal system development. Predicted to be located in extracellular region. Predicted to be part of collagen type I trimer. Predicted to be active in extracellular matrix. Is expressed in several structures, including cranium; dermomyotome; integument; muscle; and pectoral fin. Used to study Ehlers-Danlos syndrome and osteogenesis imperfecta. Human ortholog(s) of this gene implicated in Ehlers-Danlos syndrome (multiple); heart valve disease; intracranial aneurysm; osteogenesis imperfecta (multiple); and osteoporosis. Orthologous to human COL1A2 (collagen type I alpha 2 chain).

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Overview

Product Name	Anti-Zebrafish Collagen Type I/COL1A2 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish Collagen Type I/COL1A2 Antibody Picoband® catalog # AZQ6IQX2. 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	Q6IQX2

Technical Details

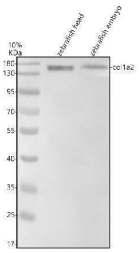
Immunogen	E.coli-derived Zebrafish Collagen Type I/COL1A2 recombinant protein (Position: G1096-Q1252).

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Form	Lyophilized
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 Collagen Type I/COL1A2 Antibody Picoband® (AZQ6IQX2) Images



Western blot analysis of Collagen Type I/COL1A2 using anti-Collagen Type I/COL1A2 antibody (AZQ6IQX2). 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 tissue lysates, Lane 2: zebrafish embryo tissue 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-Collagen Type I/COL1A2 antigen affinity purified polyclonal antibody (AZQ6IQX2) 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 Collagen Type I/COL1A2 at approximately 150 kDa. The expected band size for Collagen Type I/COL1A2 is at 127 kDa.

Anti-Zebrafish Collagen Type I/COL1A2 Antibody

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