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

Anti-Zebrafish TBX1 Antibody

Catalog Number: AZQ8AXX2

About TBX1

Predicted to enable DNA-binding transcription factor activity, RNA polymerase II-specific; RNA polymerase II cis-regulatory region sequence-specific DNA binding activity; and protein homodimerization activity. Acts upstream of or within several processes, including chordate pharyngeal muscle development; embryonic organ morphogenesis; and positive regulation of secondary heart field cardioblast proliferation. Predicted to be active in chromatin and nucleus. Is expressed in several structures, including cardiovascular system; mesoderm; pharyngeal arch; presumptive paraxial mesoderm; and vestibuloauditory system. Used to study DiGeorge syndrome and velocardiofacial syndrome. Human ortholog(s) of this gene implicated in several diseases, including DiGeorge syndrome; congenital heart disease (multiple); hypoparathyroidism; sensorineural hearing loss; and velocardiofacial syndrome. Orthologous to human TBX1 (T-box transcription factor 1).

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Overview

Product Name	Anti-Zebrafish TBX1 Antibody
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish TBX1 Antibody catalog # AZQ8AXX2. 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	Q8AXX2

Technical Details

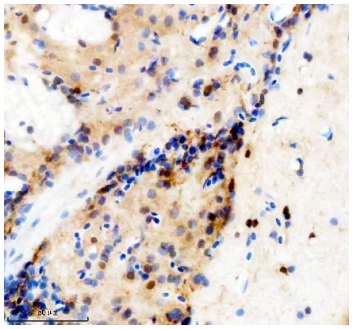
Immunogen	E.coli-derived Zebrafish TBX1 recombinant protein (Position: P93-R420).
Form	Lyophilized

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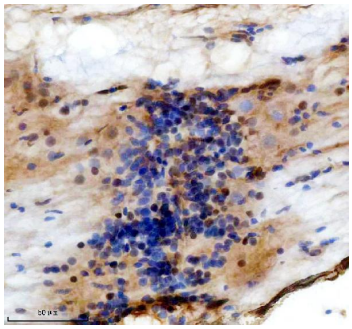
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry(Paraffin-embedded Section), 2-5 ug/ml, Zebrafish

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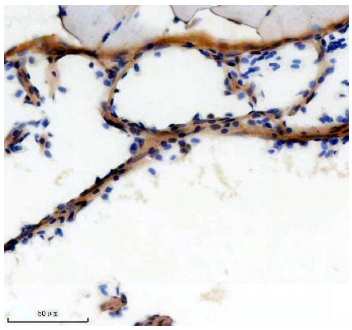
Anti-Zebrafish TBX1 Antibody (AZQ8AXX2) Images



IHC analysis of TBX1 using anti-TBX1 antibody (AZQ8AXX2). TBX1 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-TBX1 Antibody (AZQ8AXX2) 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 TBX1 using anti-TBX1 antibody (AZQ8AXX2). TBX1 was detected in a paraffin-embedded section of zebrafish spinal cord 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-TBX1 Antibody (AZQ8AXX2) 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 TBX1 using anti-TBX1 antibody (AZQ8AXX2). TBX1 was detected in a paraffin-embedded section of zebrafish heart 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-TBX1 Antibody (AZQ8AXX2) 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.

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