BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Zebrafish SUZ12a/b Antibody

Catalog Number: AZQ6DC03

About SUZ12a/b

Predicted to enable chromatin DNA binding activity. Predicted to act upstream of or within chromatin organization. Predicted to be part of ESC/E(Z) complex and RSC-type complex. Predicted to be active in nucleus. Is expressed in gonad; midbrain hindbrain boundary; pharyngeal arch; and visual system. Human ortholog(s) of this gene implicated in renal Wilms' tumor. Orthologous to human SUZ12 (SUZ12 polycomb repressive complex 2 subunit).

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Overview

Product Name	Anti-Zebrafish SUZ12a/b Antibody
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish SUZ12a/b Antibody catalog # AZQ6DC03. 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	Q6DC03/B0R1D5

Technical Details

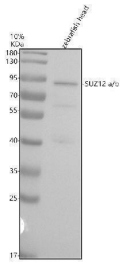
Immunogen	E.coli-derived zebrafish SUZ12a/b recombinant protein (Position: K38-K448).
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.

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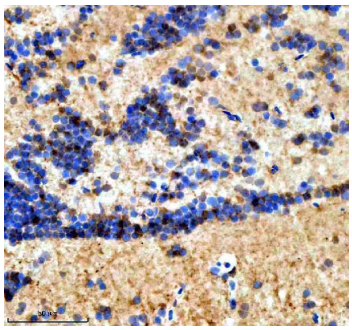
Suggested Dilutions	Immunohistochemistry(Paraffin-embedded Section), 2-5 ug/ml, Zebrafish Immunofluorescence, 2 ug/ml, Zebrafish

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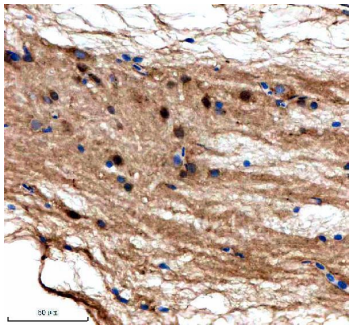
Anti-Zebrafish SUZ12a/b Antibody (AZQ6DC03) Images



Western blot analysis of SUZ12a/b using anti-SUZ12a/b antibody (AZQ6DC03). 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.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-SUZ12a/b antigen affinity purified polyclonal antibody (AZQ6DC03) 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 SUZ12a/b at approximately 90 kDa. The expected band size for SUZ12a/b is at 83 kDa.



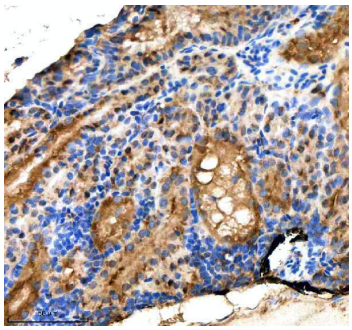
IHC analysis of SUZ12a/b using anti-SUZ12a/b antibody (AZQ6DC03). SUZ12a/b was detected in a paraffin-embedded section of zebrafish brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-SUZ12a/b Antibody (AZQ6DC03) 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 SUZ12a/b using anti-SUZ12a/b antibody (AZQ6DC03). SUZ12a/b 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-SUZ12a/b Antibody (AZQ6DC03) 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 SUZ12a/b using anti-SUZ12a/b antibody (AZQ6DC03). SUZ12a/b was detected in a paraffin-embedded section of zebrafish kidney 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

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with 2 ug/ml rabbit anti-SUZ12a/b Antibody (AZQ6DC03) 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.

Anti-Zebrafish SUZ12a/b Antibody

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