BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Zebrafish CYP11C1 Antibody

Catalog Number: AZA0A8M6YV96

About CYP11C1

Predicted to enable steroid 11-beta-monooxygenase activity. Acts upstream of or within cortisol metabolic process; male gonad development; and mating behavior. Predicted to be located in mitochondrial membrane and synapse. Predicted to be active in mitochondrial inner membrane. Is expressed in Leydig cell; brain; and pleuroperitoneal region. Used to study congenital adrenal hyperplasia. Human ortholog(s) of this gene implicated in several diseases, including congenital adrenal hyperplasia; corticosterone methyloxidase deficiency 1; diabetes mellitus (multiple); hypertension (multiple); and primary hyperaldosteronism (multiple). Orthologous to several human genes including CYP11B1 (cytochrome P450 family 11 subfamily B member 1).

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Overview

Product Name	Anti-Zebrafish CYP11C1 Antibody
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish CYP11C1 Antibody catalog # AZA0A8M6YV96. 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	A0A8M6YV96

Technical Details

Immunogen	E.coli-derived Zebrafish CYP11C1 recombinant protein (Position: D23-H701).
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

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Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry(Paraffin-embedded Section), 2-5 ug/ml, Zebrafish

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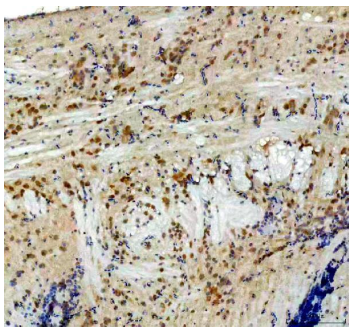
Anti-Zebrafish CYP11C1 Antibody (AZA0A8M6YV96) Images



IHC analysis of CYP11C1 using anti-CYP11C1 antibody (AZA0A8M6YV96). CYP11C1 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-CYP11C1 Antibody (AZA0A8M6YV96) 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 CYP11C1 Antibody

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