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BOSTER BIOLOGICAL TECHNOLOGY
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Anti-CYP11B1 Antibody Picoband® Biotin Conjugated

Catalog Number: PA1699-Biotin

About CYP11B1

CYP11B1 (Cytochrome p450, family 11, subfamily B, polypeptide 1), also called Steroid 11-beta-hydroxylase or P450C11, is a steroid hydroxylase found in the zona fasciculata. The CYP11B1 gene functions primarily in mitochondria in the zona fasciculata of the adrenal cortex to convert 11-deoxycortisol to cortisol and 11-deoxycorticosterone to corticosterone. CYP11B1 is a member of the cytochrome P450 superfamily of enzymes. It is mapped on 8q24.3. The CYP11B1 gene contains 9 exons and spans 6.5 kb. Using RT-PCR, Kayes-Wandover and White detected CYP11B1 mRNA in human cardiac tissue samples from left and right atria, aorta, apex, intraventricular septum, and atrioventricular node, as well as whole adult and fetal heart. Ventricles did not express CYP11B1. In patients with 11-beta-hydroxylase deficiency leading to hypertension and congenital adrenal hyperplasia, Pascoe et al. identified mutations in the CYP11B1 gene.

Overview

Product Name	Anti-CYP11B1 Antibody Picoband® Biotin Conjugated
Reactive Species	Human
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P15538

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human CYP11B1.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin
Suggested Dilutions	The intended application should be selected according to the customer's experimental requirements.

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