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Datasheet for ABIN1698442

anti-CYP11B2 antibody (AA 251-350) (Alexa Fluor 647)

Overview

Quantity:	100 µL
Target:	CYP11B2
Binding Specificity:	AA 251-350
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP11B2 antibody is conjugated to Alexa Fluor 647
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CYP11B2
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	CYP11B2
Alternative Name:	CYP11B2 (CYP11B2 Products)

Target Details

Background: Synonyms: CYP 11B2, CYP11B2, CYPXI11B2, Cytochrome P450 1111B2, Cytochrome P450 1111B2 mitochondrial, Cytochrome P450 family 11 subfamily B polypeptide 2, Cytochrome P450 subfamily XIB cholesterol side chain cleavage, Cytochrome P450 subfamily XI11B2, Cytochrome P450C1111B2, C11B2_HUMAN.

Background: This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the mitochondrial inner membrane. The enzyme has steroid 18-hydroxylase activity to synthesize aldosterone and 18-oxocortisol as well as steroid 11 beta-hydroxylase activity. Mutations in this gene cause corticosterone methyl oxidase deficiency. [provided by RefSeq, Jul 2008].

Pathways: [ACE Inhibitor Pathway](#), [Metabolism of Steroid Hormones and Vitamin D](#), [Steroid Hormone Biosynthesis](#), [Regulation of Systemic Arterial Blood Pressure by Hormones](#), [C21-Steroid Hormone Metabolic Process](#), [Feeding Behaviour](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months