

Datasheet for ABIN2788349  
**anti-CYP11B1 antibody (C-Term)**

## 3 Images

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## Overview

Quantity:	100 µL
Target:	CYP11B1
Binding Specificity:	C-Term
Reactivity:	Human, Pig, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP11B1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human CYP11B1
Sequence:	ARNPNVQQAL RQESLAAAAS ISEHPQKATT ELPLRAALK ETLRLYPVGL
Predicted Reactivity:	Human: 100%, Pig: 79%, Sheep: 79%
Characteristics:	This is a rabbit polyclonal antibody against CYP11B1. It was validated on Western Blot.
Purification:	Affinity Purified

## Target Details

Target:	CYP11B1
Alternative Name:	CYP11B1 ( <a href="#">CYP11B1 Products</a> )

## Target Details

Background:	<p>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 and is involved in the conversion of progesterone to cortisol in the adrenal cortex. Mutations in this gene cause congenital adrenal hyperplasia due to 11-beta-hydroxylase deficiency. Transcript variants encoding different isoforms have been noted for this gene.</p> <p>Alias Symbols: CPN1, CYP11B, DKFZp686B05283, FHI, FLJ36771, P450C11</p> <p>Protein Interaction Partner: CYP11B2,</p> <p>Protein Size: 503</p>
Molecular Weight:	55 kDa
Gene ID:	1584
NCBI Accession:	<a href="#">NM_000497</a> , <a href="#">NP_000488</a>
UniProt:	<a href="#">P15538</a>
Pathways:	<a href="#">Metabolism of Steroid Hormones and Vitamin D</a> , <a href="#">Steroid Hormone Biosynthesis</a> , <a href="#">Regulation of Systemic Arterial Blood Pressure by Hormones</a> , <a href="#">C21-Steroid Hormone Metabolic Process</a> , <a href="#">Carbohydrate Homeostasis</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 503 AA
Restrictions:	For Research Use only

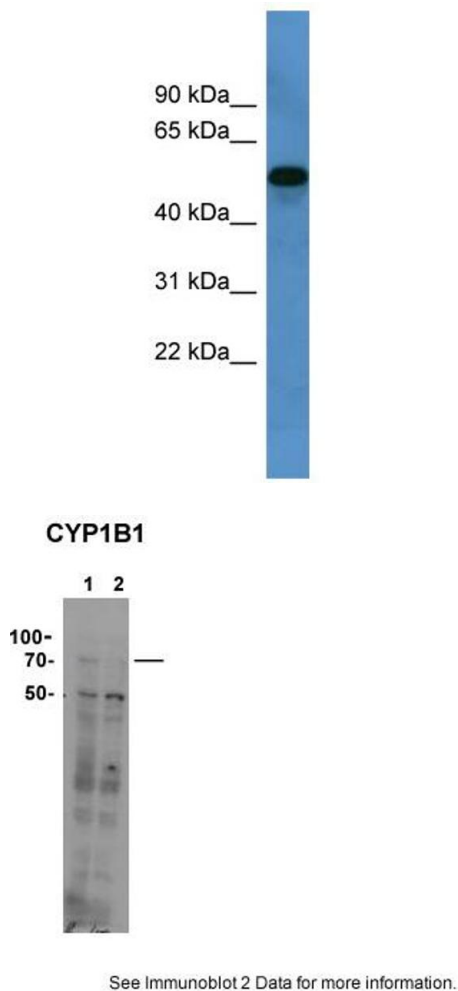
## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images



### Western Blotting

#### Image 1. WB Suggested Anti-CYP11B1 Antibody Titration:

0.2-1 ug/ml

**ELISA Titer:** 1:62500

**Positive Control:** Human Liver

### Western Blotting

**Image 2. Sample type:** 1. HEK293TN-GFP-hcyp11B1 (75ug)

2. HEK293TN-GFP-hcyp11B2 (75ug)

**Primary dilution:** 1:100

**Secondary Antibody:** mouse anti-Rabbit HRP

**Secondary Dilution:** 1:10,000

**Film Exposed for:** 5 minutes

**Image Submitted by:** Celso Gomez-Sanchez

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