

Datasheet for ABIN655163  
**anti-CYP11B2 antibody (AA 120-147)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	400 µL
Target:	CYP11B2
Binding Specificity:	AA 120-147
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP11B2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

## Product Details

Immunogen:	This CYP11B2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 120-147 amino acids from the Central region of human CYP11B2.
Clone:	RB16930
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	CYP11B2
Alternative Name:	CYP11B2 ( <a href="#">CYP11B2 Products</a> )

## Target Details

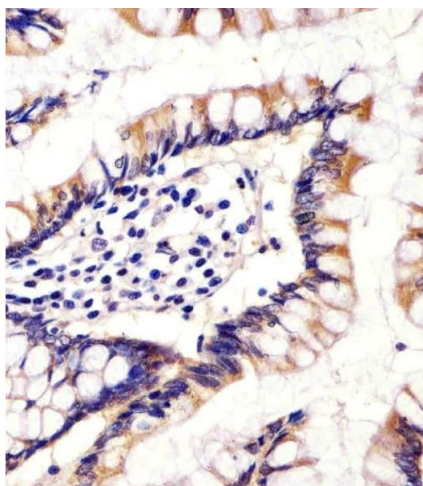
Background:	This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the mitochondrial inner membrane. 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.
Molecular Weight:	57560
Gene ID:	1585
NCBI Accession:	<a href="#">NP_000489</a>
UniProt:	<a href="#">P19099</a>
Pathways:	<a href="#">ACE Inhibitor Pathway</a> , <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="#">Feeding Behaviour</a>

## Application Details

Application Notes:	WB: 1:2000. IHC-P: 1:10~50. IHC-P: 1:25. FC: 1:10~50
Restrictions:	For Research Use only

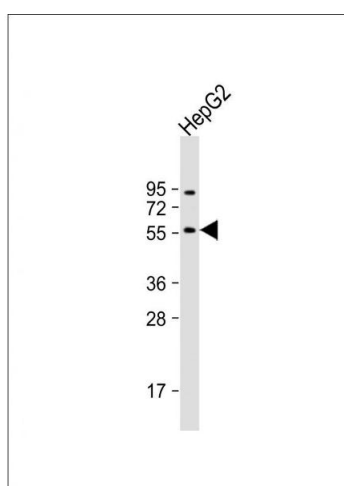
## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



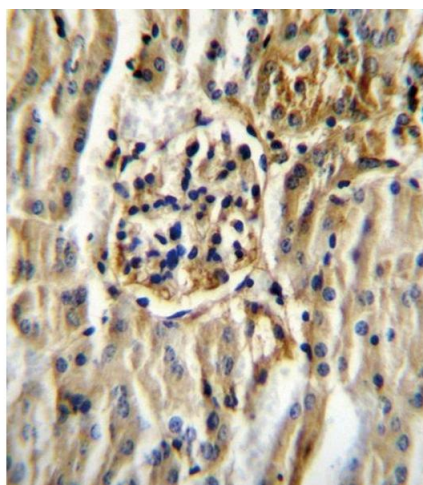
#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** (ABIN655163 and ABIN2844780) staining CYP11B2 in human small intestine tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3 % BSA for 0.5 hour at room temperature, antigen retrieval was by heat mediation with a citrate buffer (pH 6). Samples were incubated with primary antibody (1/25) for 1 hour at 37 °C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



#### Western Blotting

**Image 2.** Anti-CYP11B2 Antibody (Center) at 1:2000 dilution + HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 58 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** CYP11B2 Antibody (Center) (ABIN655163 and ABIN2844780) immunohistochemistry analysis in formalin fixed and paraffin embedded mouse kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of CYP11B2 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN655163.