

# CYP11B1 Rabbit pAb

Catalog No.: A15046

## Basic Information

### Observed MW

### Calculated MW

58kDa

### Category

Primary antibody

### Applications

IF/ICC,IHC-P,ELISA

### Cross-Reactivity

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 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.

## Recommended Dilutions

**IF/ICC** 1:50 - 1:200

**IHC-P** 1:2000 - 1:8000

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

1584

### Swiss Prot

P15538

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

FHI; CPN1; CYP11B; P450C11; CYP11B1

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

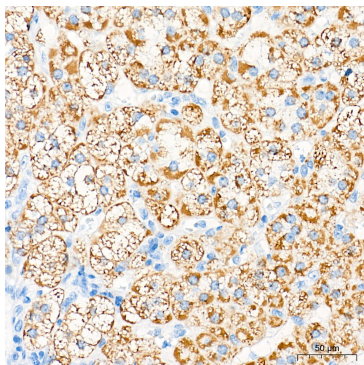
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data

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Immunohistochemistry analysis of paraffin-embedded Human adrenal gland tissue using CYP11B1 Rabbit pAb (A15046) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.