

# CYP11B1 Rabbit pAb

Catalog No.: A15046

## Basic Information

### Observed MW

### Calculated MW

58kDa

### Category

Primary antibody

### Applications

ELISA, IHC-P, IF/ICC

### 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

IHC-P 1:100 - 1:500

IF/ICC 1:50 - 1:200

## Immunogen Information

### Gene ID

1584

### Swiss Prot

P15538

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 234-503 of human CYP11B1 (NP\_000488.3).

### Synonyms

FHI; CPN1; CYP11B; P450C11; CYP11B1

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

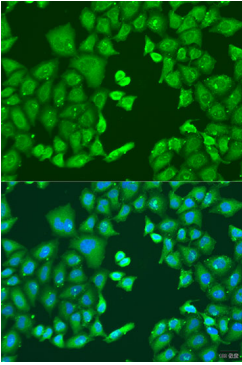
### Storage

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

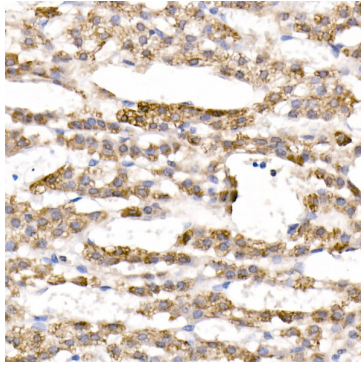
Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

## Validation Data

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Immunofluorescence analysis of U2OS cells using CYP11B1 Rabbit pAb (A15046) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded Human adrenal gland using CYP11B1 Rabbit pAb (A15046) at dilution of 1:500 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.