

A1713SP

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## CYP11A1 Rabbit pAb

Catalog No.: A1713SP

18 Publications

### Basic Information

#### Observed MW

50 kDa

#### Calculated MW

60 kDa/42 kDa

#### Category

Polyclonal Antibody

#### Applications

WB,IHC-P,ELISA

#### Cross-Reactivity

Human,Mouse,Rat

### 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 catalyzes the conversion of cholesterol to pregnenolone, the first and rate-limiting step in the synthesis of the steroid hormones. Two transcript variants encoding different isoforms have been found for this gene. The cellular location of the smaller isoform is unclear since it lacks the mitochondrial-targeting transit peptide.

### Recommended Dilutions

**WB** 1:2000 - 1:10000

**IHC-P** 1:1000 - 1:4000

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000)

### Immunogen Information

#### Gene ID

1583

#### Swiss Prot

P05108

#### Immunogen

This information is considered to be commercially sensitive.

#### Synonyms

CYP11A; CYPXIA1; P450SCC; CYP11A1

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

Affinity purification

#### Storage

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

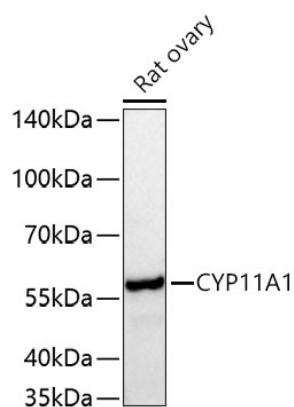
Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide. May contain 0.05% BSA as specified on the Certificate of Analysis.

### Contact



[www.abclonal.com](http://www.abclonal.com)

## Validation Data



Western blot analysis of lysates from Rat ovary using CYP11A1 Rabbit pAb (A1713SP) at 1:5000 dilution incubated overnight at 4°C.

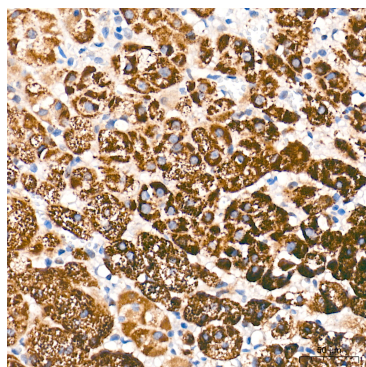
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1 s.



Immunohistochemistry analysis of paraffin-embedded Human adrenal gland tissue using CYP11A1 Rabbit pAb (A1713SP) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.