

# CYP17A1 Polyclonal Antibody

Catalog Number:E-AB-68310



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

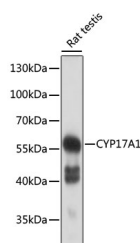
## Description

|                     |                                                 |
|---------------------|-------------------------------------------------|
| <b>Reactivity</b>   | Rat                                             |
| <b>Immunogen</b>    | Recombinant fusion protein of human CYP17A1     |
| <b>Host</b>         | Rabbit                                          |
| <b>Isotype</b>      | IgG                                             |
| <b>Purification</b> | Affinity purification                           |
| <b>Conjugation</b>  | Unconjugated                                    |
| <b>Formulation</b>  | PBS with 0.02% sodium azide,50% glycerol,pH7.3. |

## Applications Recommended Dilution

|           |              |
|-----------|--------------|
| <b>WB</b> | 1:500-1:2000 |
|-----------|--------------|

## Data



Western blot analysis of extracts of rat testis using CYP17A1 Polyclonal Antibody at 1:500 dilution.

**Observed MW:57kDa**

**Calculated Mw:57kDa**

## Preparation & Storage

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

## 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 endoplasmic reticulum. It has both 17 $\alpha$ -hydroxylase and 17,20-lyase activities and is a key enzyme in the steroidogenic pathway that produces progestins, mineralocorticoids, glucocorticoids, androgens, and estrogens. Mutations in this gene are associated with isolated steroid-17  $\alpha$ -hydroxylase deficiency, 17- $\alpha$ -hydroxylase/17,20-lyase deficiency, pseudohermaphroditism, and adrenal hyperplasia.

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