

Datasheet for ABIN7170749  
**anti-CYP17A1 antibody (AA 1-508)**[Go to Product page](#)

## 4 Images

## Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µg  |
| Target:              | CYP17A1   |
| Binding Specificity: | AA 1-508  |
| Reactivity:          | Human   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This CYP17A1 antibody is un-conjugated  |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF) |

## Product Details

|                   |  |
|-------------------|--|
| Immunogen:        | Recombinant Human Steroid 17-alpha-hydroxylase/17,20 lyase protein (1-508AA) |
| Isotype:          | IgG  |
| Cross-Reactivity: | Human  |
| Purification:     | >95%, Protein G purified   |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | CYP17A1  |
| Alternative Name: | CYP17A1 ( <a href="#">CYP17A1 Products</a> )   |
| Background:       | Background: Conversion of pregnenolone and progesterone to their 17-alpha-hydroxylated products and subsequently to dehydroepiandrosterone (DHEA) and androstenedione. Catalyzes |

## Target Details

both the 17-alpha-hydroxylation and the 17,20-lyase reaction. Involved in sexual development during fetal life and at puberty.

Aliases: 20 lyase antibody, CP17A\_HUMAN antibody, CPT7 antibody, CYP17 antibody, CYP17A1 antibody, CYPXVII antibody, Cytochrome P450 17A1 antibody, Cytochrome P450 family 17 antibody, Cytochrome P450 family 17 subfamily A polypeptide 1 antibody, Cytochrome p450 subfamily XVII (steroid 17 alpha hydroxylase) adrenal hyperplasia antibody, Cytochrome p450 XVIIA1 antibody, Cytochrome P450-C17 antibody, Cytochrome P450c17 antibody, OTTHUMP00000020382 antibody, P450 C17 antibody, P450c17 antibody, S17AH antibody, Steroid 17 alpha hydroxylase/17,20 lyase antibody, Steroid 17 alpha monooxygenase antibody, Steroid 17-alpha-hydroxylase/17 antibody, Steroid 17-alpha-monooxygenase antibody

UniProt: [P05093](#)

Pathways: [Metabolism of Steroid Hormones and Vitamin D](#), [Steroid Hormone Biosynthesis](#), [Regulation of Hormone Metabolic Process](#), [Regulation of Hormone Biosynthetic Process](#), [C21-Steroid Hormone Metabolic Process](#), [Cellular Response to Molecule of Bacterial Origin](#)

## Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

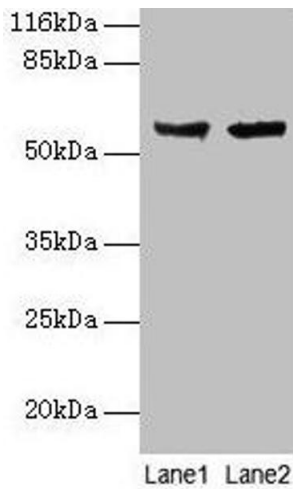
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

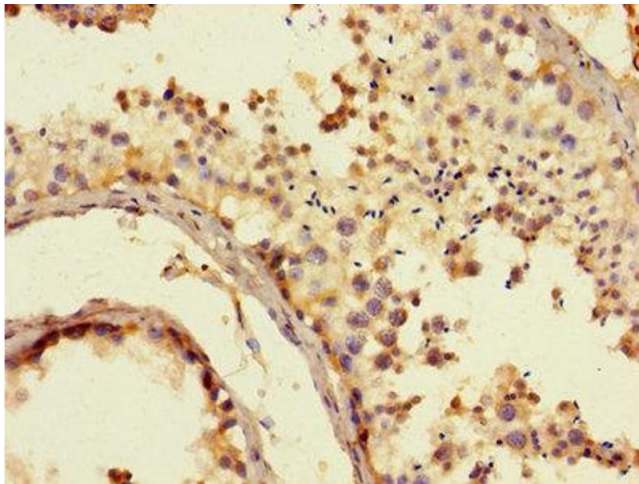
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



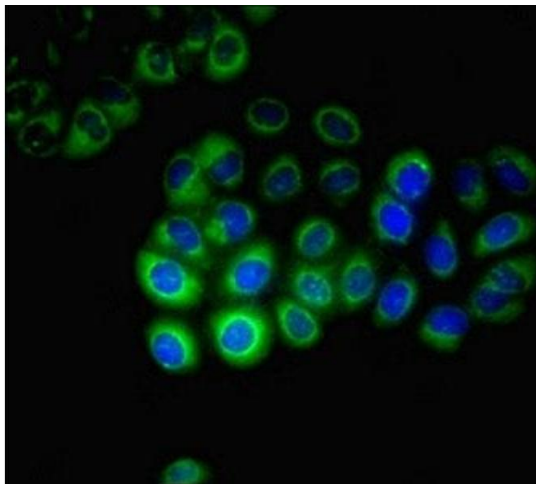
#### Western Blotting

**Image 1.** Western blot All lanes: CYP17A1 antibody at 2  $\mu$ g/mL Lane 1: Hela whole cell lysate Lane 2: A549 whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 58 kDa Observed band size: 58 kDa



#### Immunohistochemistry

**Image 2.** Immunohistochemistry of paraffin-embedded human testis tissue using ABIN7170749 at dilution of 1:100



#### Immunofluorescence

**Image 3.** Immunofluorescent analysis of A549 cells using ABIN7170749 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7170749.