



[Go to Product page](#)

Datasheet for ABIN3021928  
**anti-CYP17A1 antibody (AA 209-508)**

2 Images

Overview

Quantity:	100 µL
Target:	CYP17A1
Binding Specificity:	AA 209-508
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP17A1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 209-508 of human CYP17A1 (NP_000093.1).
Sequence:	LSKDSLVDLV PWLKIFPNKT LECLKSHVKI RNDLLNKILE NYKEKFRSDS ITNMLDTLMQ AKMNSDNGNA GPDQDSELLS DNHILTTIGD IFGAGVETTT SVVKWTLAFL LHNPQVKKKL YEEIDQNVGF SRTPTISDRN RLLLLLEATIR EVLRLRPVAP MLIPHKANVD SSIGFAVDK GTEVIINLWA LHHNEKEWHQ PDQFMPEFL NPAGTQLISP SVSYLPFGAG PRSCIGEILA RQELFLIMAW LLQRFDLEVP DDGQLPSLEG IPKVVFLIDS FKVKIKVRQA WREAQAEGST
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

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Target:	CYP17A1
Alternative Name:	CYP17A1 ( <a href="#">CYP17A1 Products</a> )
Background:	<p>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<math>\alpha</math>-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 <math>\alpha</math>-hydroxylase deficiency, 17-<math>\alpha</math>-hydroxylase/17,20-lyase deficiency, pseudohermaphroditism, and adrenal hyperplasia.,CYP17A1,CPT7,CYP17,P450C17,S17AH,20 lyase,Cancer,Signal Transduction,Cell Biology &amp; Developmental Biology,Growth factor,Endocrine &amp; Metabolism,Mitochondrial metabolism,Cytochromes,Lipid Metabolism,Cytochromes,Lipases,Cardiovascular,Lipids,CYP17A1</p>
Molecular Weight:	57 kDa
Gene ID:	1586
UniProt:	<a href="#">P05093</a>
Pathways:	<a href="#">Metabolism of Steroid Hormones and Vitamin D</a> , <a href="#">Steroid Hormone Biosynthesis</a> , <a href="#">Regulation of Hormone Metabolic Process</a> , <a href="#">Regulation of Hormone Biosynthetic Process</a> , <a href="#">C21-Steroid Hormone Metabolic Process</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a>

## Application Details

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Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

## Handling

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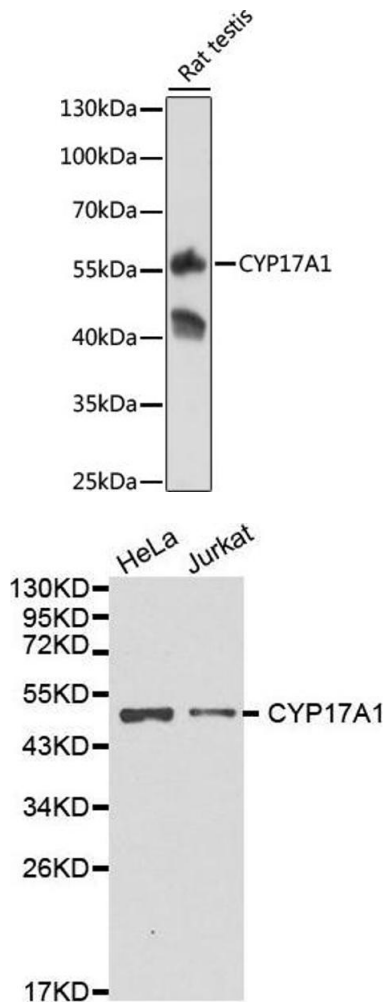
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles

## Handling

Storage: -20 °C

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

## Images



### Western Blotting

**Image 1.** Western blot analysis of extracts of rat testis, using CYP17 antibody (373) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) 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: 10s.

### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using CYP17A1 antibody.