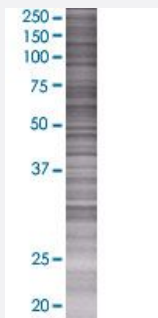


# CYP11B1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00001584-T01

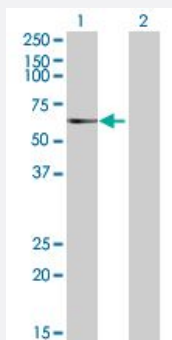
Size 100 uL

## Applications



### SDS-PAGE Gel

CYP11B1 transfected lysate.



### Western Blot

Lane 1: CYP11B1 transfected lysate ( 63.25 KDa)

Lane 2: Non-transfected lysate.

## Specification

**Transfected Cell Line** 293T

**Plasmid** pCMV-CYP11B1 full-length

**Host** Human

**Theoretical MW (kDa)** 63.25

**Quality Control Testing** Transient overexpression cell lysate was tested with Anti-CYP11B1 antibody ([H00001584-B01](#)) by Western Blots.  
 SDS-PAGE Gel  
 CYP11B1 transfected lysate.  
 Western Blot  
 Lane 1: CYP11B1 transfected lysate ( 63.25 KDa)  
 Lane 2: Non-transfected lysate.

|                            |                                                                                                           |
|----------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>Storage Buffer</b>      | 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue) |
| <b>Storage Instruction</b> | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                           |

## Applications

- Western Blot

## Gene Info — CYP11B1

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Entrez GeneID</b>       | <a href="#">1584</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>GeneBank Accession#</b> | <a href="#">BC096285.3</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Protein Accession#</b>  | <a href="#">AAH96285.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Gene Name</b>           | CYP11B1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Gene Alias</b>          | CPN1, CYP11B, DKFZp686B05283, FHI, FLJ36771, P450C11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Gene Description</b>    | cytochrome P450, family 11, subfamily B, polypeptide 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Omim ID</b>             | <a href="#">103900</a> <a href="#">202010</a> <a href="#">610613</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Gene Ontology</b>       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Gene Summary</b>        | <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 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. [provided by RefSeq]</p> |
| <b>Other Designations</b>  | cytochrome P450, subfamily XIB (steroid 11-beta-hydroxylase), polypeptide 1 cytochrome p450 XIB1 steroid 11-beta-hydroxylase steroid 11-beta-monooxygenase                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## Pathway

- [Androgen and estrogen metabolism](#)
- [C21-Steroid hormone metabolism](#)

- [Metabolic pathways](#)

## Disease

- [Adrenal Cortex Neoplasms](#)
- [Adrenal hyperplasia](#)
- [Asperger Syndrome](#)
- [Autistic Disorder](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Ductus Arteriosus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hyperaldosteronism](#)
- [Hypertension](#)
- [Infant](#)
- [Kidney Failure](#)
- [Lymphoma](#)
- [Postoperative Complications](#)
- [Social Perception](#)