

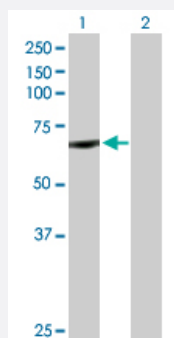
MaxPab®

CYP11B1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00001584-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of CYP11B1 expression in transfected 293T cell line ([H00001584-T02](#)) by CYP11B1 MaxPab polyclonal antibody.

Lane 1: CYP11B1 transfected lysate(65.10 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human CYP11B1 protein.

Immunogen

CYP11B1 (AAH96285.1, 1 a.a. ~ 574 a.a) full-length human protein.

Sequence

MALRAKAEVCMAMPWLSLQRAQALGTRAARVPRTVLPFEAMPRRPGNRWLRLLQWREQGYED
LHLEVHQTFQELGPIFRSRHSASFGRWGRSAARAGLWRCQGRGWCRANPSSLQRGQDSEALK
YDLGGAGMVCVMLPEDVEKLQQVDSLHPHRMSLEPWVAYRQHRGHKCGVFLNNAVDRGNSSP
PFPGGIHGAPTHSGCRNGPEWRFNRLRLNPEVLSPNAVQRFLPMVDAVARDFSQALKKKVLQN
ARGSLTLDVQPSIFHYTIEASNLALFGERLGLVGHSPSSASLNFLHALEVFMFKSTVQLMFMPRSLS
RWTSPKVVKEHFCAWDICFYGDNCIQKIYQELAFSRPQQYTSMAELLNLAELSPDAIKANSME
TAGSVDTTVFPLLMTLFEARNPVQALRQESLAAAASISEHPQKATTEPLLRAALKETLRLYP
VGLFLERVASSDLVLQNYHIPAGTLVRVFLYSLGRNPALFPRPERYNPQRWDIRGSGRNFYHVPF
GFGMRQCLGRRLAEAEMLLLHHVLKHLQVETLTQEDIKMVYSFILRPSMFPLLTFRIN

Host

Rabbit

Reactivity

Human

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — CYP11B1

Entrez GeneID [1584](#)

GeneBank Accession# [BC096285.3](#)

Protein Accession# [AAH96285.1](#)

Gene Name CYP11B1

Gene Alias CPN1, CYP11B, DKFZp686B05283, FHI, FLJ36771, P450C11

Gene Description cytochrome P450, family 11, subfamily B, polypeptide 1

Omim ID [103900 202010 610613](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations 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](#)