

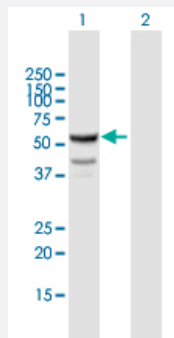
MaxPab®

CYP11B1 MaxPab mouse polyclonal antibody (B01)

Catalog # H00001584-B01

Size 50 uL

Applications



Western Blot (Transfected lysate)

Western Blot analysis of CYP11B1 expression in transfected 293T cell line ([H00001584-T01](#)) by CYP11B1 MaxPab polyclonal antibody.

Lane 1: CYP11B1 transfected lysate(63.14 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse 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
YDLGGAGMVCVMLPEDVEKLQQVDSLHPHRMSLEPWVAYRQHRGHKCGVFLNADRGNSSP
PFPGGIHGAPTHSGCRNGPEWRFNRLRLNPEVLSPNAVQRFLPMVDAVARDFSQALKKKVLQN
ARGSLTLDVQPSIFHYTIEASNLALFGERLGLVGHSPSSASLNFLHALEVFMFKSTVQLMFMPRSLS
RWTSPKVVKEHFCAWDCIFQYGDNCIQKIYQELAFSRPQQYTSMAELLNLAELSPDAIKANSME
TAGSVDTTVFPLLMTLFEARNPVQQALRQESLAAAASISEHPQKATTEPLLLRAALKETLRLYP
VGLFLERVASSDLVLQNYHIPAGTLVRVFLYSLGRNPALFPRPERYNPQRWLDIRGSGRNFYHVPF
GFGMRQCLGRRLAEAEMLLLHHVLKHLQVETLTQEDIKMVYSFILRPSMFPLLTFRAIN

Host

Mouse

Reactivity

Human

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

No additive

Storage Instruction

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

Note

For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

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- Western Blot (Transfected lysate)

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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](#)