

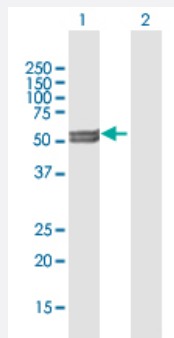
MaxPab®

CYP11A1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00001583-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of CYP11A1 expression in transfected 293T cell line ([H00001583-T01](#)) by CYP11A1 MaxPab polyclonal antibody.

Lane 1: CYP11A1 transfected lysate(57.31 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human CYP11A1 protein.

Immunogen

CYP11A1 (AAH32329.1, 1 a.a. ~ 521 a.a) full-length human protein.

Sequence

MLAKGLPPRSVLVKGCQTFLSAPREGLGRLRVPTGEGAGISTRSPRPFNEIPSPGDNGWLNLYHF
WRETGTHKVLHHVQNFQKYGPYREKLGNVESVYVIDPEDVALLFKSEGNPERFLIPPWVAYH
QYYQRPIGVLLKKSAAWKKDRVALNQEVMAPEATKNFLPLLDVSRDFVSVLHRRKKAGSGNYS
GDISDDLFRFAFESITNVIFGERQGMLEEVVNPEAQRFIDAIYQMFHTSVPMNLNPPDLFRLFRTKT
WKDHVAAWDVIFSKADIYTQNFYWELRQKGSVHHDYRGILYRLLGDSKMSFEDIKANVTEMLAGG
VDTTSMTLQWHL YEMARNLKVQDMLRAEVLAARHQAQGD MATMLQLVPLLKASIKETLRLHPISV
TLQRYLVNDLVLRDYMIPAKTLVQVAIYALGREPTFFFDPENFDPTRWLSKDKNITYFRNLGFGWG
VRQCLGRRIAELEMTIFLINMLENFRVEIQHLSDVGTTFNLILMPEKPISFTFWPFNQEATQQ

Host

Mouse

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 — CYP11A1

Entrez GeneID [1583](#)

GeneBank Accession# [BC032329.1](#)

Protein Accession# [AAH32329.1](#)

Gene Name CYP11A1

Gene Alias CYP11A, P450SCC

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

Omim ID [118485 201710](#)

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 catalyzes the conversion of cholesterol to pregnenolone, the first and rate-limiting step in the synthesis of the steroid hormones. Two transcript variants encoding different isoforms have been found for this gene. The cellular location of the smaller isoform is unclear since it lacks the mitochondrial-targeting transit peptide. [provided by RefSeq]

Other Designations cholesterol 20-22 desmolase|cholesterol monooxygenase (side-chain cleaving)|cytochrome P450, subfamily XIA|cytochrome P450, subfamily XIA (cholesterol side chain cleavage)|cytochrome P450C11A1|steroid 20-22-lyase

Pathway

- [C21-Steroid hormone metabolism](#)

- [Metabolic pathways](#)

Disease

- [Adenocarcinoma](#)
- [Asperger Syndrome](#)
- [Autistic Disorder](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Celiac Disease](#)
- [Colorectal Neoplasms](#)
- [Disease Progression](#)
- [Ductus Arteriosus](#)
- [Endometrial Neoplasms](#)
- [Fibrocystic Breast Disease](#)
- [Genetic Predisposition to Disease](#)
- [Genital Neoplasms](#)
- [Hyperandrogenism](#)
- [Hypertension](#)
- [Infant](#)
- [Lung Neoplasms](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Ovarian Hyperstimulation Syndrome](#)
- [Polycystic Ovary Syndrome](#)

- [Prostate cancer](#)
- [Prostatic Hyperplasia](#)
- [Prostatic Neoplasms](#)
- [Puberty](#)
- [Recurrence](#)
- [Social Perception](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)