

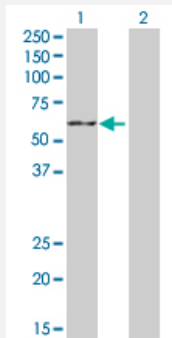
MaxPab®

CYP19A1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00001588-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of CYP19A1 expression in transfected 293T cell line ([H00001588-T02](#)) by CYP19A1 MaxPab polyclonal antibody.

Lane 1: CYP19A1 transfected lysate(57.90 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human CYP19A1 protein.
Immunogen	CYP19A1 (AAH35959.1, 1 a.a. ~ 503 a.a) full-length human protein.
Sequence	MVLEMLNPIHYNITSIVPEAMPAATMPVLLLTLGLFLLVWNYEGTSSIPGPGYCMGIGPLISHGRFLWM GIGSACNYNRYVYGEFMRVWISGEETLIISKSSSMFHIMKHNHYSSRFGSKLGLQCIGMHEKGIIFFNN NPELWKTTTRPFFMKALSGPLVRMTVCAESLKTDLRLLEEVNTNESGYVDVLTLLRRVMLDTSNT LFLRLSDSASVVKIQGYFDAWQALLIKPDIFFKISWLYKKYEKSVKDLKDAIEVLIAEKRRRISTEEK LEECMDFATELILAEKRGDLTRENVNQCILEMLIAAPDTMSVSLFFMLFLIAKHPNVEEAIIKEIQTVI GERDIKIDDIQKLKVMENFIYESMRYQPVDLVMRKALEDDVIDGYPVKKGTNIILNIGRMHRLEFFP KPNEFTLENFAKNVPYRYFQPFGLGPRGCAGKYAMVMMKAILVTLLRRFHVKTLLQGQCVEISQKI HDLSLHPDETKNMLEMIFTPRNSDRCLEH
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (79); Rat (77)
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 — CYP19A1

Entrez GeneID

[1588](#)

GeneBank Accession#

[BC035959.1](#)

Protein Accession#

[AAH35959.1](#)

Gene Name

CYP19A1

Gene Alias

ARO, ARO1, CPV1, CYAR, CYP19, MGC104309, P-450AROM

Gene Description

cytochrome P450, family 19, subfamily A, polypeptide 1

Omim ID

[107910 139300](#)

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 endoplasmic reticulum and catalyzes the last steps of estrogen biosynthesis, three successive hydroxylations of the A ring of androgens. Mutations in this gene can result in either increased or decreased aromatase activity; the associated phenotypes suggest that estrogen functions both as a sex steroid hormone and in growth or differentiation. The gene expresses two transcript variants. [provided by RefSeq]

Other Designations

OTTHUMP00000162543|aromatase|cytochrome P450, family 19|cytochrome P450, subfamily XIX (aromatization of androgens)|estrogen synthetase|flavoprotein-linked monooxygenase|microsomal monooxygenase

Pathway

- [Androgen and estrogen metabolism](#)
- [Metabolic pathways](#)

Disease

- [Abortion](#)
- [Adenocarcinoma](#)
- [Alopecia](#)
- [Alzheimer disease](#)
- [Arthritis](#)
- [Asperger Syndrome](#)
- [Atherosclerosis](#)
- [Autistic Disorder](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cadaver](#)
- [Carcinoma](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Cognition Disorders](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Connective Tissue Diseases](#)
- [Coronary Artery Disease](#)
- [Cryptorchidism](#)

- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
- [Endometriosis](#)
- [Esophageal Neoplasms](#)
- [Fetal Diseases](#)
- [Fibroadenoma](#)
- [Fibrocystic Breast Disease](#)
- [Fractures](#)
- [Gender Identity](#)
- [Genetic Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Gynecomastia](#)
- [Hip Fractures](#)
- [Hot Flashes](#)
- [Hyperandrogenism](#)
- [Hyperplasia](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Infection](#)
- [Infertility](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)

- [Leiomyoma](#)
- [Leiomyomatosis](#)
- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
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- [Osteopetrosis](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Failure](#)
- [Ovarian Hyperstimulation Syndrome](#)
- [Ovarian Neoplasms](#)
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- [Peripheral Vascular Diseases](#)
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- [Premature Birth](#)
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- [Prostatic Hyperplasia](#)
- [Prostatic Neoplasms](#)
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- [Pulmonary Disease](#)
- [Recurrence](#)
- [Seminoma](#)
- [Skin Diseases](#)
- [Social Perception](#)
- [Spinal Fractures](#)
- [Stomach Neoplasms](#)
- [Testicular Neoplasms](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Neoplasms](#)
- [Weight Loss](#)
- [Werner syndrome](#)