

DNAxPAb

Hard-to-Find
Antibody

CYP19A1 DNAxPab

Catalog # H00001588-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human CYP19A1 DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence MVLEMLNPIHYNITSIVPEAMPAATMPVLLLTGLFLLVWNYEGTSSIPGPGYCMGIGPLISHGRFLWM
GIGSACNYNRYVYGEFMRVWISGEETLIISKSSSMFHIMKHNHYSSRFGSKLGLQCIGMHEKGIIFFNN
NPELWKTTRPFFMKALSGPGLVRMVTVCAESLKTHLDRLEEVTNESGYVDVLTLLRRVMLDTSNT
LFLRISLDESAMVKIQGYFDAWQALLIKPDIFFKISWLYKKYEKSVKDLKDAIEVLIAEKRRRISTEEK
LEECMDFATELILAEKRGDLTRENVNQCILEMLIAPDTMSVSLFFMLFLIAKHPNVEEAIKEIQTVI
GERDICKIDDIQKLKVMENFYESMRYQPVVDLVMRKALEDDVIDGYPVKKGTNIILNIGRMHRLEFFP
KPNEFTLENFAKNVPYRYFQPFQFGPRGCAGKYAMVMMKAILVTLLRRFHVKTLLQGQCVEISQKI
HDLSLHPDETKNMLEMIFTPRNSDRCLEH

Host Rabbit

Reactivity Human

Purification Protein A

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.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

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 XI X (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](#)
- [Metabolic Syndrome X](#)
- [Migraine Disorders](#)
- [Musculoskeletal Diseases](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)
- [Neoplasms](#)
- [Neuropsychological Tests](#)
- [Obesity](#)
- [Oligospermia](#)
- [Osteoarthritis](#)
- [Osteopetrosis](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Failure](#)
- [Ovarian Hyperstimulation Syndrome](#)
- [Ovarian Neoplasms](#)
- [Parkinson disease](#)
- [Peripheral Vascular Diseases](#)
- [Polycystic Ovary Syndrome](#)
- [Precancerous Conditions](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Primary Ovarian Insufficiency](#)
- [Prostate cancer](#)
- [Prostatic Hyperplasia](#)

- [Prostatic Neoplasms](#)
- [Psychiatric Status Rating Scales](#)
- [Puberty](#)
- [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](#)