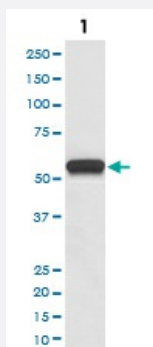


CYP19A1 monoclonal antibody, clone AABB-3

Catalog # MAB19577 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of rat brain lysate with CYP19A1 monoclonal antibody.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human CYP19A1.
Immunogen	A synthetic peptide corresponding to human CYP19A1.
Host	Rabbit
Reactivity	Human, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunoprecipitation (1:50) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of rat brain lysate with CYP19A1 monoclonal antibody.

- Immunoprecipitation

Gene Info — CYP19A1

Entrez GeneID [1588](#)

Protein Accession# [P11511](#)

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](#)