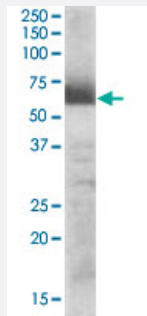


CYP17A1 polyclonal antibody

Catalog # PAB7014

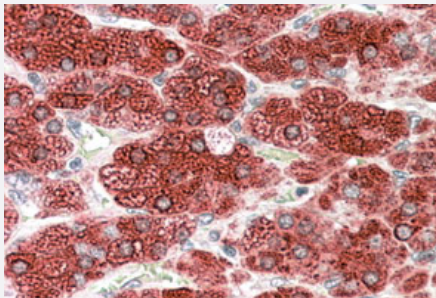
Size 100 ug

Applications



Western Blot (Tissue lysate)

CYP17A1 polyclonal antibody (Cat # PAB7014) (0.3 ug/mL) staining of human ovary lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

CYP17A1 polyclonal antibody (Cat # PAB7014) (3.8 ug/mL) staining of paraffin embedded human adrenal gland. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of CYP17A1.
Immunogen	A synthetic peptide corresponding to internal region of human CYP17A1.
Sequence	C-LFKDGDQKLEK
Host	Goat
Theoretical MW (kDa)	57.4
Reactivity	Human
Form	Liquid

Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:64000) Western Blot (0.1-0.3 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (3-5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 0.5 mg/mL Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)
Storage Instruction	Store at -20°C. Aliquot to 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

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — CYP17A1

Entrez GeneID	1586
Protein Accession#	NP_000093.1
Gene Name	CYP17A1
Gene Alias	CPT7, CYP17, P450C17, S17AH
Gene Description	cytochrome P450, family 17, subfamily A, polypeptide 1
Omim ID	202110 609300
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. It has both 17 α -hydroxylase and 17,20-lyase activities and is a key enzyme in the steroidogenic pathway that produces progestins, mineralocorticoids, glucocorticoids, androgens, and estrogens. Mutations in this gene are associated with isolated steroid-17 α -hydroxylase deficiency, 17- α -hydroxylase/17,20-lyase deficiency, pseudohermaphroditism, and adrenal hyperplasia. [provided by RefSeq]

Other Designations

OTTHUMP00000020382|cytochrome P450, family 17|cytochrome P450, subfamily XVII (steroid 17- α -hydroxylase), adrenal hyperplasia|cytochrome p450 XVIIA1|steroid 17- α -hydroxylase/17,20 lyase|steroid 17- α -monooxygenase

Publication Reference

- [CYP17 polymorphism as a risk factor of tamoxifen-induced hepatic steatosis in breast cancer patients.](#)

Ohnishi T, Ogawa Y, Saibara T, Nishioka A, Kariya S, Fukumoto M, Onishi S, Yoshida S.

Oncology Reports 2005 Mar; 13(3):485.

Pathway

- [C21-Steroid hormone metabolism](#)
- [Metabolic pathways](#)

Disease

- [Abortion](#)
- [Acne Vulgaris](#)
- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Arthritis](#)
- [Asperger Syndrome](#)
- [Autistic Disorder](#)
- [Biliary Tract Neoplasms](#)

- [Birth Weight](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cadaver](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cholestasis](#)
- [Chronic Disease](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Ductus Arteriosus](#)
- [Dyskinesia](#)
- [Edema](#)
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- [Endometrial Neoplasms](#)
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- [Kidney Failure](#)
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- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Metabolic Syndrome X](#)
- [Mouth Neoplasms](#)
- [Myocardial Infarction](#)
- [Narcolepsy](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Recurrence](#)

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- [Urinary Calculi](#)
- [Uterine Neoplasms](#)
- [Werner syndrome](#)