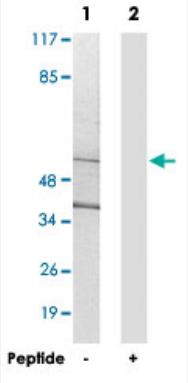
CYP21A2 polyclonal antibody

Catalog # PAB17524 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from 293 cells, using CYP21A2 polyclonal antibody (Cat # PAB17524).
Peptide "+" means "with peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CYP21A2.
Immunogen	A synthetic peptide corresponding to internal of human CYP21A2.
Host	Rabbit
Reactivity	Human
Specificity	This antibody detects endogenous levels of total Cytochrome CYP21A2 protein.
Form	Liquid
Recommend Usage	Western Blot (1:500-1:1000) ELISA (1:20000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (150mM NaCl, 0.02% sodium azide, 50% glycerol)
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 shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of extracts from 293 cells, using CYP21A2 polyclonal antibody (Cat # PAB17524). Peptide "+" means "with peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CYP21A2

Entrez GeneID	1589
Protein Accession#	P08686
Gene Name	CYP21A2
Gene Alias	CA21H, CAH1, CPS1, CYP21, CYP21B, MGC150536, MGC150537, P450c21B
Gene Description	cytochrome P450, family 21, subfamily A, polypeptide 2
Omim ID	201910
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 re ticulum and hydroxylates steroids at the 21 position. Its activity is required for the synthesis of ster oid hormones including cortisol and aldosterone. Mutations in this gene cause congenital adrenal hyperplasia. A related pseudogene is located near this gene; gene conversion events involving th e functional gene and the pseudogene are thought to account for many cases of steroid 21-hydrox ylase deficiency. Two transcript variants encoding different isoforms have been found for this gen e. [provided by RefSeq
Other Designations	21-hydroxylase|OTTHUMP00000062684|cytochrome P450, family 21, subfamily A, polypepide 2| cytochrome P450, subfamily XXIA (steroid 21-hydroxylase, congenital adrenal hyperplasia), polyp eptide 2|dJ34F7.3 (cytochrome P450, subfamily XXIA (steroid 21-hydroxyla

Pathway

- C21-Steroid hormone metabolism
- Metabolic pathways

Disease

- Abortion
- Acne Vulgaris
- Adenoma
- Adrenal Gland Neoplasms
- Adrenal hyperplasia
- Adrenal Rest Tumor
- Arthritis
- Asperger Syndrome
- Atherosclerosis
- Autistic Disorder
- Autoimmune Diseases
- Birth Weight
- Cystic fibrosis
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Hirsutism
- Hyperandrogenism
- Hyperinsulinism
- Hyperplasia
- Hypertension
- Infant

- Insulin Resistance
- Leukemia
- Lymphoma
- Meningeal Neoplasms
- Meningioma
- Metabolic Syndrome X
- Metabolism
- Obesity
- Oligomenorrhea
- Opportunistic Infections
- Polycystic Ovary Syndrome
- Pregnancy Complications
- Puberty
- Recurrence
- Social Perception
- Virilism