

CYP11B1 rabbit monoclonal antibody

Catalog # H00001584-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human CYP11B1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human CYP11B1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human CYP11B1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — CYP11B1

Entrez GeneID	1584
GeneBank Accession#	CYP11B1
Gene Name	CYP11B1
Gene Alias	CPN1, CYP11B, DKFZp686B05283, FHI, FLJ36771, P450C11
Gene Description	cytochrome P450, family 11, subfamily B, polypeptide 1
Omim ID	103900 202010 610613
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 mitochondrial inner membrane and is involved in the conversion of progesterone to cortisol in the adrenal cortex. Mutations in this gene cause congenital adrenal hyperplasia due to 11-beta-hydroxylase deficiency. Transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq]
Other Designations	cytochrome P450, subfamily XIB (steroid 11-beta-hydroxylase), polypeptide 1 cytochrome p450 XIB1 steroid 11-beta-hydroxylase steroid 11-beta-monooxygenase

Pathway

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

Disease

- [Adrenal Cortex Neoplasms](#)
- [Adrenal hyperplasia](#)
- [Asperger Syndrome](#)

- [Autistic Disorder](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Ductus Arteriosus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hyperaldosteronism](#)
- [Hypertension](#)
- [Infant](#)
- [Kidney Failure](#)
- [Lymphoma](#)
- [Postoperative Complications](#)
- [Social Perception](#)