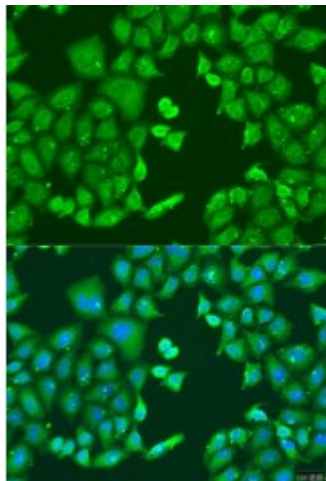


Anti-CYP11B1 Antibody



Description

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.

Model	STJ117240
Host	Rabbit
Reactivity	Human
Applications	IF
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 234-503 of human CYP11B1 (NP_000488.3).
Gene ID	1584
Gene Symbol	CYP11B1
Dilution range	IF 1:50 - 1:200
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Cytochrome P450 11B1 mitochondrial CYPXIB1 Cytochrome P-450c11 Cytochrome P450C11 Steroid 11-beta-hydroxylase

Molecular Weight	57.573 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:2591OMIM:103900Reactome:R-HSA-194002
Alternative Names	Cytochrome P450 11B1 mitochondrial CYPXIB1 Cytochrome P-450c11 Cytochrome P450C11 Steroid 11-beta-hydroxylase
Function	Has steroid 11-beta-hydroxylase activity, In addition to this activity, the 18 or 19-hydroxylation of steroids and the aromatization of androstendione to estrone have also been ascribed to cytochrome P450 XIB
Cellular Localization	Mitochondrion membrane

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