

Rabbit anti-Human CYP11B1 Polyclonal Antibody | anti-CYP11B1 antibody

Anti-CYP11B1 antibody

CATALOG # AAA44926	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot
------------------------------	-----------------------	----------------------------	-------------------------------------

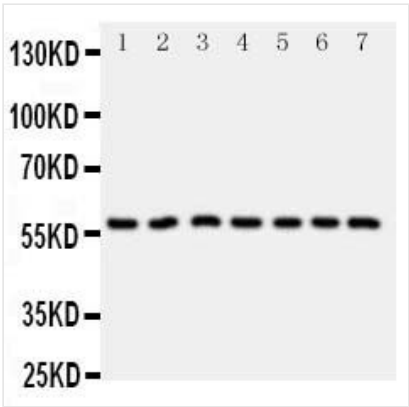
PRODUCT SYNONYMS

CYP11B1; Polyclonal Antibody; Anti-CYP11B1 antibody; anti-CYP11B1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human. No cross reactivity with other proteins
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	503
Applicable Applications for anti-CYP11B1 antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human CYP11B1 (436-450aa RNFYHVPFGFGMRQC).
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)
Anti-CYP11B1 antibody, AAA44926, Western blottingAll lanes: Anti CYP11B1 (AAA44926) at 0.5ug/mlLane 1: HELA Whole Cell Lysate at 40ugLane 2: U87 Whole Cell Lysate at 40ugLane 3: MM231 Whole Cell Lysate at 40ugLane 4: PANC Whole Cell Lysate at 40ugLane 5: MM453 Whole Cell Lysate at 40ugLane 6: HELA Whole Cell Lysate at 40ugLane 7: SMMC Whole Cell Lysate at 40ugPredicted bind size: 58KDObserved bind size: 58KD

ADDITIONAL INFORMATION

Related Product Information for anti-CYP11B1 antibody

CYP11B1(Cytochrome p450, family 11, subfamily B, polypeptide 1), also called Steroid 11-beta-hydroxylase or P450C11, is a steroid hydroxylase found in the zona fasciculata. The CYP11B1 gene functions primarily in mitochondria in the zona fasciculata of the adrenal cortex to convert 11-deoxycortisol to cortisol and 11-deoxycorticosterone to corticosterone. CYP11B1 is a member of the cytochrome P450 superfamily of enzymes. It is mapped on 8q24.3. The CYP11B1 gene contains 9 exons and spans 6.5 kb. Using RT-PCR, Kayes-Wandover and White detected CYP11B1 mRNA in human cardiac tissue samples from left and right atria, aorta, apex, intraventricular septum, and atrioventricular node, as well as whole adult and fetal heart. Ventricles did not express CYP11B1. In patients with 11-beta-hydroxylase deficiency leading to hypertension and congenital adrenal hyperplasia, Pascoe et al. identified mutations in the CYP11B1 gene.

NCBI AND UNIPROT INFORMATION

NCBI GI #	215274267
NCBI GeneID	1584
UniProt Accession #	P15538; Q14095; Q4VAQ8; Q4VAQ9; Q9UML2
NCBI Official Full Name	Cytochrome P450 11B1, mitochondrial
NCBI Official Synonym Full Names	cytochrome P450, family 11, subfamily B, polypeptide 1
NCBI Official Symbol	CYP11B1
NCBI Official Synonym Symbols	FHI; CPN1; CYP11B; P450C11
NCBI Protein Information	cytochrome P450 11B1, mitochondrial; CYPXIB1; cytochrome P450C11; cytochrome P-450c11; cytochrome p450 XIB1; steroid 11-beta-hydroxylase; steroid 11-beta-monooxygenase; cytochrome P450, subfamily XIB (steroid 11-beta-hydroxylase), polypeptide 1
UniProt Protein Name	Cytochrome P450 11B1, mitochondrial
UniProt Gene Name	CYP11B1
UniProt Synonym Gene Names	S11BH; Cytochrome P450C11
UniProt Entry Name	C11B1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

