CYP11B1/2 Rabbit pAb

CatalogNo: YT5224

Key Features

Host Species
- Rabbit

Reactivity
- Human

Applications
- WB,ELISA

MW
- 58kD (Observed)

Isotype
- IgG

Recommended Dilution Ratios

WB 1:500-1:2000
ELISA 1:20000
Not yet tested in other applications.

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from the N-terminal region of human CYP11B1/2. AA range:61-110
Specificity	CYP11B1/2 Polyclonal Antibody detects endogenous levels of CYP11B1/2 protein.

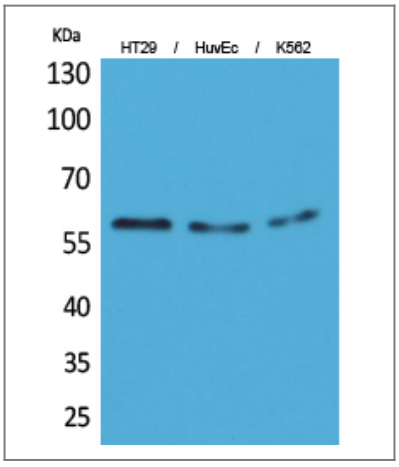
Target Information

Gene name	CYP11B1/CYP11B2
Protein Name	Cytochrome P450 11B1 mitochondrial/Cytochrome P450 11B2 mitochondrial

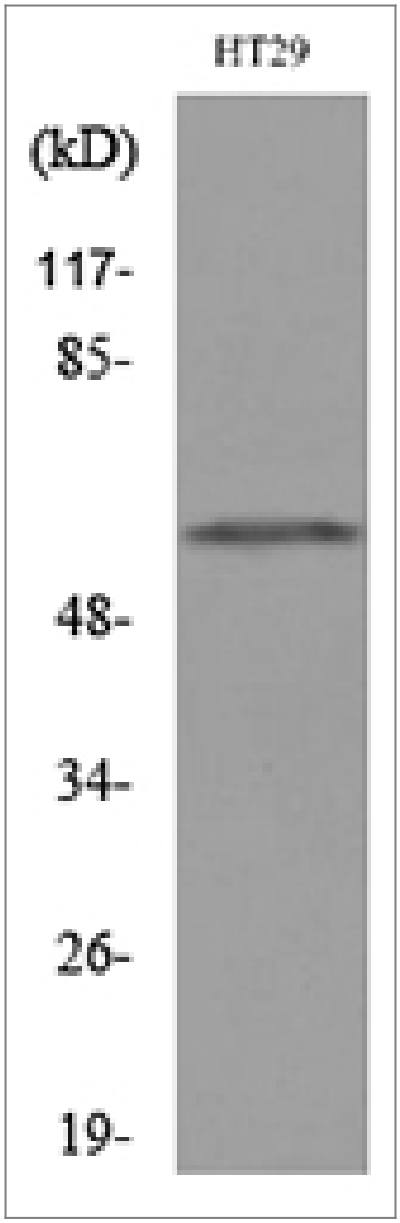
Organism	Gene ID	UniProt ID
Human	1584;	P15538;

Cellular Localization	Mitochondrion inner membrane ; Peripheral membrane protein .
Tissue specificity	Adrenal gland,PCR rescued clones,Peripheral blood,
Function	Catalytic activity:A steroid + reduced adrenal ferredoxin + O(2) = an 11-beta-hydroxysteroid + oxidized adrenal ferredoxin + H(2)O.,cofactor:Heme group.,Disease:An anti-Lepore-type fusion of the CYP11B1 and CYP11B2 genes is a cause of glucocorticoid-remediable aldosteronism (GRA) [MIM:103900].,Disease:Defects in CYP11B1 are the cause of adrenal hyperplasia type 4 (AH4) [MIM:202010]. AH4 is a form of congenital adrenal hyperplasia, a common recessive disease due to defective synthesis of cortisol. Congenital adrenal hyperplasia is characterized by androgen excess leading to ambiguous genitalia in affected females, rapid somatic growth during childhood in both sexes with premature closure of the epiphyses and short adult stature. Four clinical types: "salt wasting" (SW, the most severe type), "simple virilizing" (SV, less severely affected patients), with normal aldosterone biosynthesis, "non-classic form" or late onset (NC or LOAH), and "cryptic" (asymptomatic). AH4 patients usually have hypertension.,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.,similarity:Belongs to the cytochrome P450 family.,

Validation Data



Western Blot analysis of HT29, HuvEc, K562 cells using CYP11B1/2 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of lysate from HT29 cells, using CYP11B1/2 Antibody.

Contact information

Orders:	order.cn@immunoway.com
Support:	support.cn@immunoway.com
Telephone:	400-8787-807(China)
Website:	http://www.immunoway.com.cn
Address:	2200 Ringwood Ave San Jose, CA 95131 USA

Please scan the QR code to access additional product information: **CYP11B1/2 Rabbit pAb**