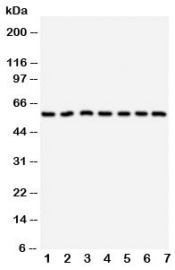
# CYP11B1 Antibody (R30786)

| Catalog No. | Formulation | Size |
|---|---|---|
| R30786 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity |
| **Buffer** | Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal |
| **UniProt** | P15538 |
| **Applications** | Western blot: 0.5-1ug/ml |
| **Limitations** | This CYP11B1 antibody is available for research use only. |




Western blot testing of CYP11B1 antibody and Lane 1: HeLa; 2: U87; 3: MM231; 4: PANC; 5: MM453; 6: HeLa; 7: SMMC-7721 cell lysate. Predicted size: 58KD

## Description

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 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. mRNA is present 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.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the CYP11B1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

An amino acid sequence from the C-terminus of human CYP11B1 (RNFYHVPFGFGMRQC) was used as the immunogen for this CYP11B1 antibody.

## Storage

After reconstitution, the CYP11B1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.


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