

## CYP21A2 (F177) polyclonal antibody

Catalog: BS2189

Host: Rabbit

Reactivity: Human

### BackGround:

The cytochrome P450 proteins are monooxygenases that catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. P450 enzymes are classified into subfamilies based on their sequence similarities. CYP21A2 localizes to the endoplasmic reticulum and hydroxylates steroids at the 21 position. Activity of CYP21A2 is required for the synthesis of steroid hormones, including cortisol and aldosterone. Mutations in this gene is the primary cause of congenital adrenal hyperplasia (CAH), an autosomal recessive disorder. Gene conversion events involving the functional CYP21A2 gene (C21B) and a related pseudogene (C21A) located near the C21B gene may account for the majority of cases of steroid 21-hydroxylase deficiency.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 62 kDa

### Swiss-Prot:

P08686

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB:1:500~1:1000

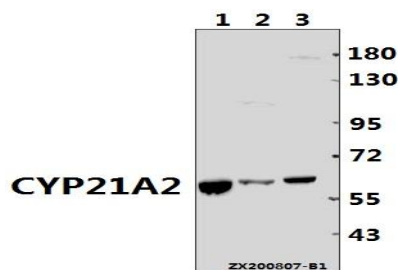
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

CYP21A2 (F177) polyclonal antibody detects endogenous levels of CYP21A2 protein.

### DATA:



Western blot (WB) analysis of CYP21A2 pAb at 1:500 dilution

Lane1:THP-1 whole cell lysate(40ug)

Lane2:HEK293T whole cell lysate(40ug)

Lane3:HepG2 whole cell lysate(40ug)

### Note:

For research use only, not for use in diagnostic procedure.

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