

bs-23821R**[Primary Antibody]****CYP11B1 Rabbit pAb****Bioss**
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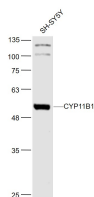
400-901-9800

— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Applications:** WB (1:500-2000)**Clonality:** Polyclonal**Reactivity:** Human, Mouse, Rat**Target:** CYP11B1**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

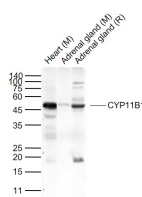
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Predicted
MW.:** 55 kDa**Subcellular
Location:** Cytoplasm

Background: 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 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.

— VALIDATION IMAGES —

Sample: SH-SY5Y (Human) Cell Lysate at 30 ug
Primary: Anti- CYP11B1 (bs-23821R) at 1/1000
dilution Secondary: IRDye800CW Goat Anti-
Rabbit IgG at 1/20000 dilution Predicted band
size: 55 kD Observed band size: 55 kD



Sample: Lane 1: Mouse Heart tissue lysates Lane
2: Mouse Adrenal gland tissue lysates Lane 3: Rat
Adrenal gland tissue lysates Primary: Anti-
CYP11B1 (bs-23821R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 55 kD
Observed band size: 50 kD

— SELECTED CITATIONS —

- **[IF=2.9]** Dong Li. et al. Testosterone regulates thymic remodeling by activating glucocorticoid receptor signaling pathway to accelerate thymocyte apoptosis in male rats. J REPROD IMMUNOL. 2024 Aug;164:104288 WB ;Rat. 38924811