

bs-10161R**[Primary Antibody]****CYP11B2 Rabbit pAb****Bioss**
ANTIBODIES

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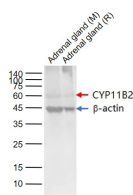
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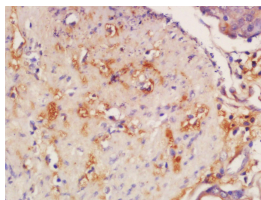
400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 1585	SWISS: P19099	IHC-F (1:100-500)
Target: CYP11B2		IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from human CYP11B2: 251-350/503.		Reactivity: Human, Mouse, Rat (predicted: Rabbit)
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 58 kDa
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.		Subcellular Location: Cell membrane ,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. The enzyme has steroid 18-hydroxylase activity to synthesize aldosterone and 18-oxocortisol as well as steroid 11 beta-hydroxylase activity. Mutations in this gene cause corticosterone methyl oxidase deficiency. [provided by RefSeq, Jul 2008].		

— VALIDATION IMAGES —

Sample: Lane 1: Adrenal gland (Mouse) Tissue
Lysate at 40 ug Lane 2: Adrenal gland (Rat)
TissueLysate at 40 ug Primary: Anti-CYP11B2
(bs-10161R) at 1/1000 dilution Anti-beta-Actin
(bs-0061R) at 1/2000 dilution Secondary:
IRDye800CW Goat Anti-Rabbit IgG at 1/20000
dilution Predicted band size: 58 kD Observed
band size: 60 kD



Tissue/cell: human stomach tissue; 4%
Paraformaldehyde-fixed and paraffin-
embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block
endogenous peroxidase by 3% Hydrogen
peroxide for 30min; Blocking buffer (normal goat
serum,C-0005) at 37°C for 20 min; Incubation:
Anti-CYP11B2 Polyclonal Antibody,
Unconjugated(bs-10161R) 1:200, overnight at
4°C, followed by conjugation to the secondary
antibody(SP-0023) and DAB(C-0010) staining

— SELECTED CITATIONS —

- **[IF=4]** Jing-Hang Jiang. et al.Human-like adrenal features in Chinese tree shrews revealed by multi-omics analysis of adrenal cell populations and steroid synthesis.zool res.2024 May 18;45(3):617-632. IHC ;Mouse. 38766745
- **[IF=2.9]** Mei You. et al.Meriones unguiculatus serves as a spontaneous primary aldosteronism rodent model.plos one.2025 Feb 13;20(2):e0314943. IHC ;Rat. 39946402