

bs-3906R**[Primary Antibody]****HSD3B1 Rabbit pAb****BioSS**
ANTIBODIES

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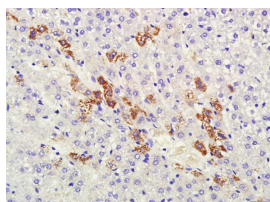
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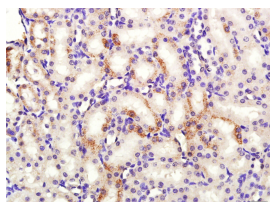
400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Mouse, Rat (predicted: Human, Cow, Dog, Horse) Predicted MW.: 41 kDa Subcellular Location: Cell membrane ,Cytoplasm
Clonality: Polyclonal		
GeneID: 3283	SWISS: P14060	
Target: HSD3B1		
Immunogen: KLH conjugated synthetic peptide derived from human HSD3B1: 301-373/373.		
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.		
Background: The protein encoded by this gene is a bifunctional enzyme that catalyzes the oxidative conversion of delta(5)-ene-3-beta-hydroxy steroid, and the oxidative conversion of ketosteroids. It plays a crucial role in the biosynthesis of all classes of hormonal steroids. This gene is predominantly expressed in the adrenals and the gonads. Mutations in this gene are associated with 3-beta-hydroxysteroid dehydrogenase, type II, deficiency. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Oct 2009]		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (Rat liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (HSD3B1) Polyclonal Antibody, Unconjugated (bs-3906R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (HSD3B1) Polyclonal Antibody, Unconjugated (bs-3906R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

— SELECTED CITATIONS —

- **[IF=14.224]** Wenqing Xu. et al. Oral exposure to polystyrene nanoplastics reduced male fertility and even caused male infertility by inducing testicular and sperm toxicities in mice. J HAZARD MATER. 2023 Jul;454:131470 IF ;Mouse. 37116333
- **[IF=6.551]** Daojuan Wanget al. Exposure to hyperandrogen drives ovarian dysfunction and fibrosis by activating the NLRP3 inflammasome in mice. Sci Total Environ . 2020 Nov 25;745:141049. WB ;mouse. 32758727
- **[IF=7.129]** Hui Zhao. et al. Alleviating effects of selenium on fluoride-induced testosterone synthesis disorder and reproduction toxicity in rats. ECOTOX ENVIRON SAFE. 2022 Dec;247:114249 WB,IHC ;Rat. 36323150

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=6.1]** Guangxin Yang. et al. Dietary methionine supplementation during the estrous cycle improves follicular development and estrogen synthesis in rats. FOOD FUNCT. 2023 Dec;; WB ;Rat. 38109056
- **[IF=6.208]** Sijie Fan. et al. Seasonal Change in Adiponectin Associated with Ovarian Morphology and Function in Wild Ground Squirrels (*Citellus dauricus* Brandt). INT J MOL SCI. 2022 Jan;23(23):14698 IHC ;Squirrel. 36499026