

bs-3905R**[Primary Antibody]****HSD17B3 Rabbit pAb****BioSS**
ANTIBODIES

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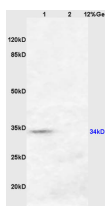
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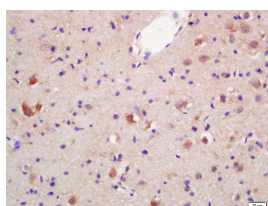
400-901-9800

— DATASHEET —

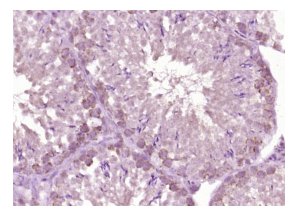
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 3293	SWISS: P37058	IHC-F (1:100-500)
Target: HSD17B3		IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from human HSD17B3: 101-200/310.		
Purification: affinity purified by Protein A		Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Cow, Horse)
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.: 34 kDa
Background: HSD17B3 is involved in the reduction of androstenedione to testosterone. It is expressed predominantly in the testis. Deficiency in HSD17B3 are the cause of male pseudohermaphroditism with gynecomastia (MPH).		Subcellular Location: Cytoplasm

— VALIDATION IMAGES —

Sample: Brain (Mouse) Lysate at 40 ug
 (Mouse) Lysate at 40 ug
 Primary: Anti-HSD17B3 (bs-3905R) at 1/300 dilution
 Secondary: HRP conjugated Goat-Anti-rabbit IgG (bs-0295G-HRP) at 1/5000 dilution
 Predicted band size: 34 kD
 Observed band size: 34 kD



Tissue/cell: rat brain 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-HSD17B3 Polyclonal Antibody, Unconjugated (bs-3905R) 1:200, overnight at 4°C,
 followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (Mouse testis);
 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 (HSD17B3) Polyclonal Antibody, Unconjugated (bs-3905R) at 1:400 overnight at 4°C,
 followed by operating according to SP Kit (Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=4.8]** Chengquan Han. et al. Integrated network pharmacology, molecular docking and in vivo experiments to elucidate the extenuative mechanisms of ginseng polysaccharide against Toxoplasma gondii-induced testicular toxicity. international immunopharmacology. 2025 Feb 20;148:114147. Western blot ;Mouse. 39862631
- **[IF=3.585]** Sun J et al. Icaritin protects mouse Leydig cell testosterone synthesis from the adverse effects of di (2-ethylhexyl) phthalate. Toxicol Appl Pharmacol. 2019 Jun 6;378:114612. ICC, WB ;Mouse. 31175881
- **[IF=3.1]** Qi Qi. et al. Melatonin Alleviates BPA-Induced Testicular Apoptosis and Endoplasmic Reticulum Stress. FRONT BIOSCI-LANDMRK. 2024 Mar;29(3):95 WB ;Mouse. 38538260
- **[IF=1.952]** Caiyun Wang. et al. Maternal exposure of mice to sodium p-perfluorooctanesulfonate causes

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

endocrine disruption in both dams and offspring. 2021 May 11 WB,IHC ;Mouse. 33980773