

**bs-3905R****[ Primary Antibody ]****Bioss**  
ANTIBODIES

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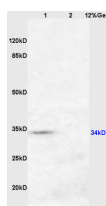
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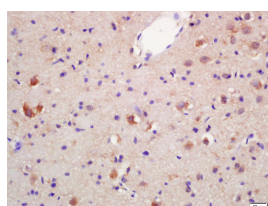
400-901-9800

**HSD17B3 Rabbit pAb****DATASHEET**

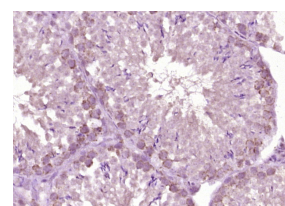
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>IHC-P</b> (1:100-500)
<b>GeneID:</b> 3293	<b>SWISS:</b> P37058	<b>IHC-F</b> (1:100-500)
<b>Target:</b> HSD17B3		<b>IF</b> (1:100-500)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human HSD17B3: 101-200/310.		<b>Reactivity:</b> Human, Mouse, Rat (predicted: Rabbit, Pig, Cow, Horse)
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 34 kDa
<b>Storage:</b> 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.		<b>Subcellular Location:</b> Cytoplasm
<b>Background:</b> 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).		

**VALIDATION IMAGES**

Sample: Brain (Mouse) Lysate at 40 ug Testis (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. Icarin 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-perfluorooctanoate causes endocrine disruption in both dams and offspring. 2021 May 11 WB, IHC ;Mouse. 33980773

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