

bs-2410R**[Primary Antibody]****SHBG Rabbit pAb****Bioss**
ANTIBODIES

www.bioss.com.cn

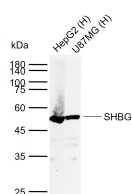
sales@bioss.com.cn

techsupport@bioss.com.cn

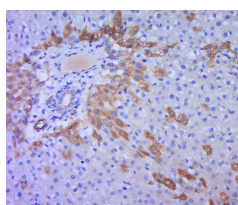
400-901-9800

— DATASHEET —

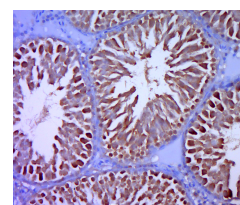
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 6462	SWISS: P04278	IHC-F (1:100-500)
Target: SHBG		IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from human SHBG: 51-150/402.		Reactivity: Human, Rat (predicted: Mouse, Rabbit, Cow, Dog)
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 40 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: Secreted
Background: Sex hormone binding globulin (SHBG) is a glycoprotein synthesized by the liver. Circulating androgen and estrogen concentrations influence SHBG synthesis. Elevated testosterone, for example, causes SHBG synthesis to decrease, whereas high estrogen stimulates SHBG production. The regulation of SHBG synthesis, combined with SHBG's higher affinity for testosterone, impacts bioavailable testosterone levels. SHBG binds up to 98 percent of the steroid hormones in the blood including 5 α -dihydrotestosterone (DHT), testosterone and androstenediol with particularly high affinity, and estradiol and estrone with slightly lower affinity.		

— VALIDATION IMAGES —

Sample: Lane 1: Human HepG2 cell lysates
Lane 2: Human U87MG cell lysates
Primary: Anti-SHBG (bs-2410R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 40 kDa
Observed band size: 50 kDa



Paraformaldehyde-fixed, paraffin embedded (rat liver tissue); 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 (ABP) Polyclonal Antibody, Unconjugated (bs-2410R) 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 testis tissue); 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 (ABP) Polyclonal Antibody, Unconjugated (bs-2410R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

— SELECTED CITATIONS —

- **[IF=4.9]** Hongyu Wang. et al. lncRNA 1700009J07Rik Impaired Male Fertility by Interfering with Sexual Behaviors in Mice. INT J MOL SCI. 2025 Jan;26(12):5801 IF ;Mouse. 40565260
- **[IF=2.86]** Liu, Yaping, et al. "Overexpression of PRL7D1 in Leydig Cells Causes Male Reproductive Dysfunction in Mice." International Journal of Molecular Sciences 17.1 (2016): 96. WB ;="Mouse". 26771609
- **[IF=2.299]** Jiang Y et al. Transcriptome profile of bovine iPSCs derived from Sertoli Cells. Theriogenology. 2019 Nov 19. pii: S0093-691X(19)30522-9. FCM ;Holstein bull. 31771794

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

- **[IF=1.1]** Emi FUJII. et al. Morphological and biochemical characterization of Holstein cow skin at the tail root region susceptible to *Chorioptes bovis* and *texanus* parasitism. J VET MED SCI. 2024 七月 08 IHC ;Bovine. 38972752