

**bs-1175R****[ Primary Antibody ]****SHBG Rabbit pAb****BioSS**  
**ANTIBODIES**

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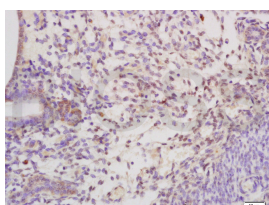
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 6462	<b>SWISS:</b> P04278	
<b>Target:</b> SHBG		<b>Reactivity:</b> Human, Mouse, Rat (predicted: Rabbit, Cow, Dog)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human SHBG: 301-402/402.		
<b>Purification:</b> affinity purified by Protein A		<b>Predicted MW.:</b> 44 kDa
<b>Concentration:</b> 1mg/ml		<b>Subcellular Location:</b> Secreted
<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>Background:</b> 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 $\alpha$ -dihydrotestosterone (DHT), testosterone and androstenediol with particularly high affinity, and estradiol and estrone with slightly lower affinity.		

**— VALIDATION IMAGES —**

Tissue/cell: rat uterus 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-SHBG Polyclonal Antibody, Unconjugated(bs-1175R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

**— SELECTED CITATIONS —**

- **[IF=7.31]** Longfei Xiao. et al. Curcumin Ameliorates Age-Induced Tight Junction Impaired in Porcine Sertoli Cells by Inactivating the NLRP3 Inflammasome through the AMPK/SIRT3/SOD2/mtROS Signaling Pathway. *OXID MED CELL LONGEV.* 2023;2023:1708251 IF ;Fig. 36846717
- **[IF=4.292]** Longfei Xiao. et al. Dihydrotestosterone through blockade of TGF- $\beta$ /Smad signaling mediates the anti-fibrosis effect under hypoxia in canine Sertoli cells. *J Steroid Biochem.* 2022 Feb;216:106041 IF ;Dog. 34864206