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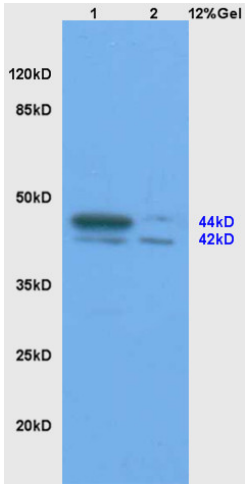
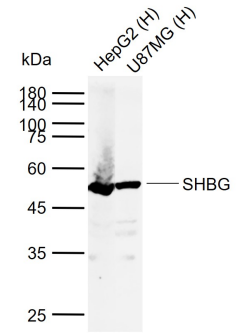
SHBG Rabbit pAb

Catalog Number:	bs-2410R
Target Protein:	SHBG
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)
Reactivity:	Human, Mouse, Rat (predicted:Rabbit, Cow, Dog)
Predicted MW:	40 kDa
Entrez Gene:	6462
Swiss Prot:	P04278
Source:	KLH conjugated synthetic peptide derived from human SHBG: 51-150/402.
Purification:	affinity purified by Protein A
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:	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 5a-dihydrotestosterone (DHT), testosterone and androstenediol with particularly high affinity, and estradiol and estrone with slightly lower affinity.

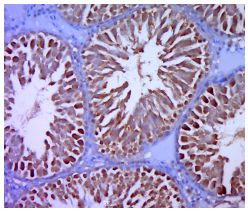
VALIDATION IMAGES



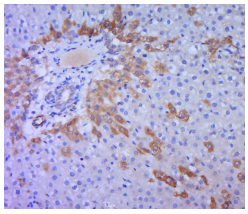
Sample: Lane1: Testis (Mouse) Lysate at 30 ug Lane2: Liver (Mouse) Lysate at 30 ug Primary: Anti-ABP/SHBG(bs-2410R) at 1:200 dilution; Secondary: HRP conjugated Goat Anti-Rabbit IgG(bs-0295G-HRP) at 1: 3000 dilution; Predicted band size : 40kD Observed band size : 44kD



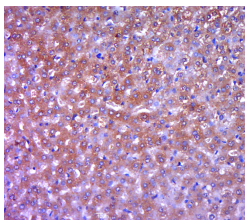
Sample: Lane 1: Human HepG2 cell lysates Lane 2: Human U87MG cell lysates Primary: Anti-SHBG (bs-2410R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 40 kDa Observed band size: 50 kDa



Paraformaldehyde-fixed, paraffin embedded (rat 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.



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 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.

PRODUCT SPECIFIC PUBLICATIONS

[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

[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