

For Research Use Only

SHBG Polyclonal antibody

Catalog Number: 18200-1-AP **3 Publications**



Basic Information

Catalog Number: 18200-1-AP	GenBank Accession Number: BC101785	Purification Method: Antigen affinity purification
Size: 400 µg/ml	GeneID (NCBI): 6462	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P04278	
Isotype: IgG	Full Name: sex hormone-binding globulin	
Immunogen Catalog Number: AG12683	Calculated MW: 402 aa, 44 kDa	
	Observed MW: 42-44 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : human plasma, IHC : mouse testis tissue, human liver tissue
Cited Applications: WB	
Species Specificity: human, mouse	
Cited Species: goat	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

SHBG (sex hormone-binding globulin), also known as androgen-binding protein (ABP), is the specific transport protein for sex steroid hormones in humans. SHBG is synthesized mainly by the liver and circulates in the blood, in form of homodimer with a single steroid-binding site per dimer. In addition to the plasma SHBG, a testis isoform expressed by Sertoli cells also exists due to the gene alternative splicing. Various bands (44-56 kDa) recognized by this antibody may represent variably glycosylated or different isoforms of SHBG.

Notable Publications

Author	Pubmed ID	Journal	Application
Huaming Xi	36332369	Theriogenology	WB
Huaming Xi	34774699	Mol Cell Endocrinol	WB
Huaming Xi	34467369	Biol Reprod	WB

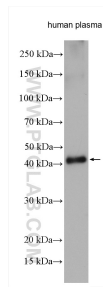
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

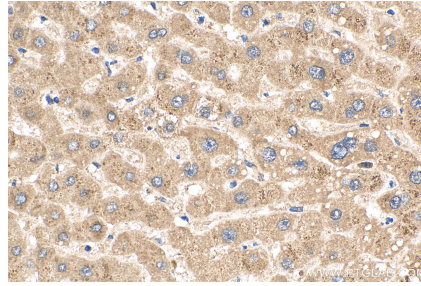
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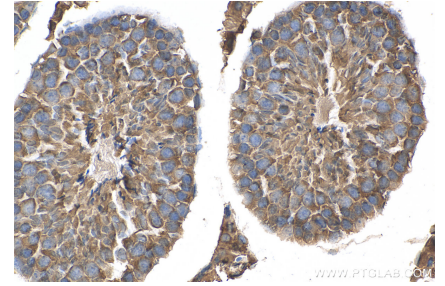
Selected Validation Data



human plasma were subjected to SDS PAGE followed by western blot with 18200-1-AP (SHBG antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 18200-1-AP (SHBG antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 18200-1-AP (SHBG antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).