

For Research Use Only

# SHBG Polyclonal antibody

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



## Basic Information

<b>Catalog Number:</b> 18200-1-AP	<b>GenBank Accession Number:</b> BC101785	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop and 353 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 6462	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> sex hormone-binding globulin	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 402 aa, 44 kDa	
<b>Immunogen Catalog Number:</b> AG12683	<b>Observed MW:</b> 42-44 kDa	

## Applications

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

## 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

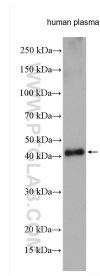
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

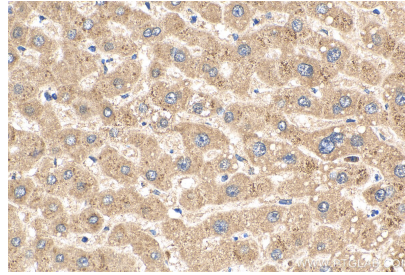
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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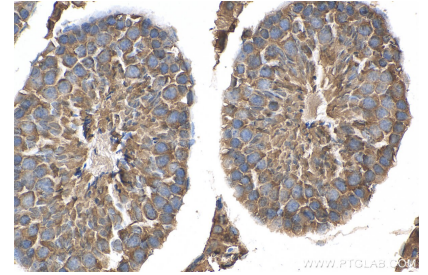
## Selected Validation Data



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).