

## Anti-SHBG Antibody

Catalog Number: A00682-2

### About SHBG

Sex hormone-binding globulin (SHBG) is a glycoprotein that binds to the sex hormones, androgen and estrogen. SHBG is produced mostly by the liver and is released into the bloodstream. Other sites that produce SHBG include the brain, uterus, testes, and placenta. SHBG has both enhancing and inhibiting hormonal influences. It decreases with high levels of insulin, growth hormone, insulin-like growth factor 1 (IGF-1), androgens, prolactin and transcortin. High estrogen, and thyroxine cause it to increase. It has been found that the monosaccharides glucose and fructose reduced human SHBG production by hepatocytes, irrespective of the presence of insulin, by downregulation of hepatocyte nuclear factor-4A and replacement of HNF4A by COUP-TFI at a cis-element within the human SHBG promoter, coincident with repression of its transcriptional activity.

### Overview

Product Name	Anti-SHBG Antibody
Reactive Species	Human
Description	Boster Bio Anti-SHBG Antibody catalog # A00682-2. Tested in WB, IHC, ELISA applications. This antibody reacts with Human.
Application	ELISA, IHC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg stabilizing protein and 50% glycerol *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt at -20°C as supplied. 6 months at 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P04278

### Technical Details

Immunogen	E.coli-derived human SHBG recombinant protein (Position: P32-H402).
Form	Liquid
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 1:500-2000

Immunohistochemistry, 1:50-400  
ELISA, 1:100-1000

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### Anti-SHBG Antibody

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