

Anti-Sex hormone-binding globulin SHBG Antibody

Catalog Number: A00682

About SHBG

SHBG is a steroid binding protein that was first described as a plasma protein secreted by the liver and is thought to participate in the regulation of steroid responses. SHBG transports androgens and estrogens in the blood, binding each steroid molecule as a dimer formed from identical or nearly identical monomers (1). Low plasma SHBG levels are associated with obesity, abdominal adiposity, metabolic syndrome, and predict the development of type 2 diabetes (2,3). Polymorphisms in this gene have been associated with polycystic ovary syndrome and type 2 diabetes mellitus (4).

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Overview

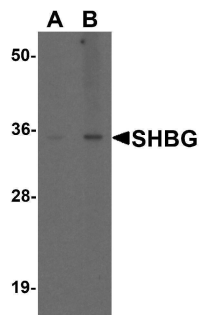
Product Name	Anti-Sex hormone-binding globulin SHBG Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Sex hormone-binding globulin SHBG Antibody (Catalog # A00682). Tested in ELISA, WB, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, WB
Clonality	Polyclonal
Formulation	SHBG antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	P04278

Technical Details

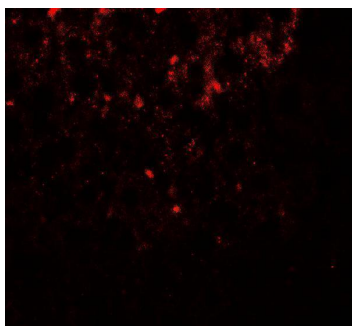
Immunogen	SHBG antibody was raised against a 16 amino acid peptide near the center of human SHBG. The immunogen is located within amino acids 220 - 270 of SHBG.
Predicted Reactive Species	Rabbit
Cross Reactivity	SHBG antibody is human, mouse, and rat reactive. At least three isoforms of SHBG are known to

	exist; this antibody will detect all three isoforms.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	SHBG antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	SHBG antibody can be used for detection of SHBG by Western blot at 1 - 2 ug/ml. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

Anti-Sex hormone-binding globulin SHBG Antibody (A00682) Images



Western blot analysis of SHBG in human liver tissue lysate with SHBG antibody at (A) 1 and (B) 2 ug/ml.



Immunofluorescence of SHBG in mouse liver tissue with SHBG antibody at 20 ug/ml.

[Anti-Sex hormone-binding globulin SHBG Antibody](#)

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