BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Sex Hormone Binding Globulin/SHBG Antibody Picoband®

Catalog Number: PB9326

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, andthyroxine 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.

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Overview

Product Name	Anti-Sex Hormone Binding Globulin/SHBG Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-Sex Hormone Binding Globulin/SHBG Antibody Picoband® catalog # PB9326. Tested in WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P04278

Technical Details

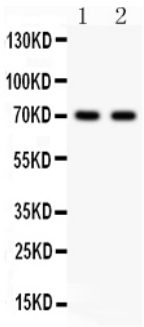
Immunogen	E.coli-derived human SHBG recombinant protein (Position: L30-A210). Human SHBG shares 72% amino acid (aa) sequence identity with both mouse and rat SHBG.

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Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human

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Anti-Sex Hormone Binding Globulin/SHBG Antibody Picoband® (PB9326) Images



Anti-SHBG Picoband antibody, PB9326, Western blotting All lanes: Anti SHBG (PB9326) at 0.5ug/mlLane 1: HELA Whole Cell Lysate at 40ugLane 2: COLO320 Whole Cell Lysate at 40ugPredicted bind size: 44KDObserved bind size: 70KD

Anti-Sex Hormone Binding Globulin/SHBG Antibody

For Research Use Only. Not for use in diagnostic procedures.