Human SHBG Biotinylated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: BAF2656

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SHBG in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human SHBG Leu30-His402 Accession # P04278
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

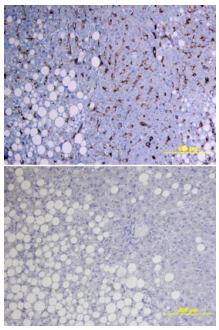
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Human SHBG
Immunohistochemistry	5-15 µg/mL	See Below

DATA

Immunohistochemistry



SHBG in Human Liver. SHBG was detected in immersion fixed paraffin-embedded sections of human liver using Goat Anti-Human SHBG Biotinylated Antigen Affinity-purified Polyclonal Antibody (Catalog # BAF2656) at 15 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Goat HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS008) and counterstained with hematoxylin (blue). Lower panel shows a lack of labeling if primary antibodies are omitted and tissue is stained only with secondary antibody followed by incubation with detection reagents. View our protocol for Chromogenic IHC Staining of Paraffin-embedded Tissue Sections.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Human SHBG (also known as ABP or androgen-binding protein) is a variably glycosylated, secreted non-disulfide linked homodimer that belongs to the SHBG family. Members of this small family have tandem repeats of 170 amino acid (aa) long laminin α chain G-like domains. Each SHBG monomer is a 47-53 kDa, 373 aa glycoprotein that contains one steroid-binding site in its N-terminal G-like domain. Male and female sex hormones are bound with equal affinity. SHBG is synthesized by the liver and circulates in blood; ABP (SHBG in the testis) is synthesized by Sertoli cells and circulates in the male reproductive system. Human SHBG shares approximately 67% aa sequence identity with mouse and rat SHBG.

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