

For Research Use Only

SHBG Recombinant antibody

Catalog Number: 83096-1-RR



Basic Information

Catalog Number:

83096-1-RR

Size:

100ul, Concentration: 1000 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC101785

GeneID (NCBI):

6462

UNIPROT ID:

P04278

Full Name:

sex hormone-binding globulin

Calculated MW:

402 aa, 44 kDa

Observed MW:

40-50 kDa

Purification Method:

Protein A purification

CloneNo.:

230356F10

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

WB : human placenta tissue,

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.

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

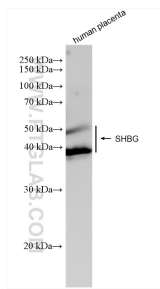
For technical support and original validation data for this product please contact:

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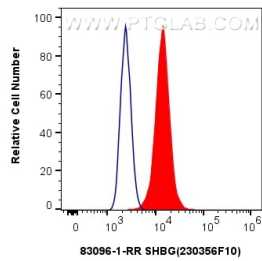
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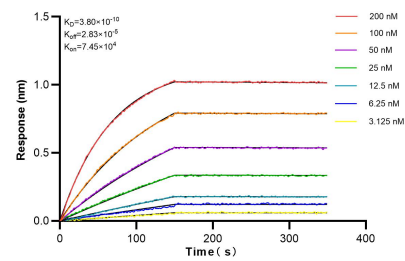
Selected Validation Data



human placenta tissue were subjected to SDS PAGE followed by western blot with 83096-1-RR (SHBG antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug SHBG Recombinant antibody (83096-1-RR, Clone:230356F10) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 83096-1-RR against Human SHBG were performed. The affinity constant is 0.38 nM.