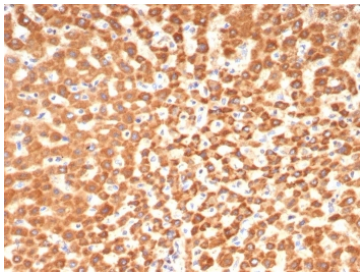
SHBG Antibody / Sex Hormone Binding Globulin [clone SHBG/8175] (V5418)

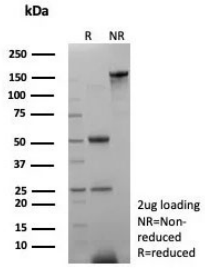
Catalog No.	Formulation	Size
V5418-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5418-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5418SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	SHBG/8175
Purity	Protein A/G affinity
UniProt	P04278
Localization	Cytoplasm, Extracellular (Secreted)
Applications	Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This SHBG antibody is available for research use only.



IHC staining of FFPE human hepatocellular carcinoma tissue with SHBG antibody (clone SHBG/8175). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free SHBG antibody (clone SHBG/8175) as confirmation of integrity and purity.

Description

Recognizes a protein of 45kDa, identified as SHBG. It functions as an androgen transport protein, but may also be involved in receptor-mediated processes. Each dimer binds one molecule of steroid. It is specific for 5-alpha-dihydrotestosterone, testosterone, and 17-beta-estradiol. SHBG regulates the plasma metabolic clearance rate of steroid hormones by controlling their plasma concentration. In testis, it is synthesized by the Sertoli cells, secreted into the lumen of the seminiferous tubule and transported to the epididymis.

Application Notes

Optimal dilution of the SHBG antibody should be determined by the researcher.

Immunogen

Recombinant full-length human SHBG protein was used as the immunogen for the SHBG antibody.

Storage

Aliquot the SHBG antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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