SHBG Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SHBG, Polyclonal Antibody
Full Product Name	SHBG
Product Gene Name	anti-SHBG antibody
Product Synonym Names	ABP; SBP; TEBG
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Purity/Purification	Affinity purification
Preparation and Storage	Aliquot and store at-20 degree C. Avoid repeated freeze/thaw cycles.
Molecular Weight	44kDa
OMIM	182205
3D Structure	ModBase 3D Structure for P04278
Immunogen	Recombinant protein of human SHBG
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SHBG antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-SHBG antibody	WB: 1:500-1:2000 IHC: 1:100-1:200
Related Product Information for anti-SHBG antibody	This gene encodes a steroid binding protein that was first described as a plasma protein secreted by the liver but is now thought to participate in the regulation of steroid responses. The encoded protein transports androgens and estrogens in the blood, binding each steroid molecule as a dimer formed from identical or nearly identical monomers. Polymorphisms in this gene have been associated with polycystic ovary syndrome and type 2 diabetes mellitus. Alternative splicing results in multiple transcript variants.
Other Notes	Small volumes of anti-SHBG antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SHBG purchase	MBS8536387 is an antibody targeting SHBG. Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SHBG. It may not necessarily be applicable to this product.

NCBI GI #	7382460
NCBI GeneID	6462
NCBI Accession #	NP_001031.2

UniProt Primary Accession #	P04278
UniProt Secondary Accession #	P14689; Q16616; Q3MIL0; Q6ISD2; B0FWH4; E9PGW1; F5H5Z8; I3L1N7
UniProt Related Accession #	P04278
GenBank Nucleotide #	NM_001040.4
NCBI Official Full Name	sex hormone-binding globulin isoform 1
NCBI Official Synonym Full Names	sex hormone binding globulin
NCBI Official Symbol	SHBG
NCBI Official Synonym Symbols	ABP; SBP; TEBG
UniProt Protein Name	Sex hormone-binding globulin
UniProt Synonym Protein Names	Sex steroid-binding protein; SBP; Testis-specific androgen-binding protein; ABP; Testosterone-estradiol-binding globulin; TeBG; Testosterone-estrogen-binding globulin
Protein Family	Sex hormone-binding globulin
UniProt Gene Name	SHBG
UniProt Synonym Gene Names	SHBG; SBP; ABP; TeBG
NCBI Protein Information	sex hormone-binding globulin
UniProt Comments for SHBG	Functions as an androgen transport protein, but may also be involved in receptor mediated processes. Each dimer binds one molecule of steroid. Specific for 5-alpha-dihydrotestosterone, testosterone, and 17-beta-estradiol. Regulates the plasma metabolic clearance rate of steroid hormones by controlling their plasma concentration.
Research Articles on SHBG	**1.** relationship of testosterone, sex hormone-binding globulin (SHBG), and IGF-1 with bone mineral density (BMD) and bone turnover markers (BTMs) in Korean men, is reported.
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