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SHBG Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant SHBG.
Catalog # AT3879a

Product Information

Application	WB, E
Primary Accession	P04278
Other Accession	NM_001040
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	5E7
Calculated MW	43779

Additional Information

Gene ID	6462
Other Names	Sex hormone-binding globulin, SHBG, Sex steroid-binding protein, SBP, Testis-specific androgen-binding protein, ABP, Testosterone-estradiol-binding globulin, TeBG, Testosterone-estrogen-binding globulin, SHBG
Target/Specificity	SHBG (NP_001031, 41 a.a. ~ 140 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	SHBG Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

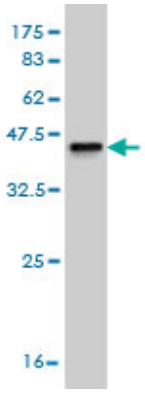
Background

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 binds each steroid molecule as a dimer formed from identical or nearly identical monomers. The use of alternate promoters and alternatively spliced transcripts have been described. Multiple transcript variants encoding different isoforms have been found for this gene.

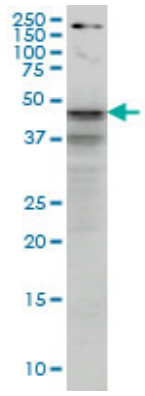
References

Efficacy of metformin therapy in adolescent girls with androgen excess: relation to sex hormone-binding globulin and androgen receptor polymorphisms. D?az M, et al. Fertil Steril, 2010 Aug 4. PMID 20691435.The (TAAAA)n Polymorphism of the SHBG Gene in Men with the Metabolic Syndrome. Xita N, et al. Exp Clin Endocrinol Diabetes, 2010 Aug 5. PMID 20690069.Comprehensive analysis of common genetic variation in 61 genes related to steroid hormone and insulin-like growth factor-I metabolism and breast cancer risk in the NCI breast and prostate cancer cohort consortium. Canzian F, et al. Hum Mol Genet, 2010 Oct 1. PMID 20634197.Association of serum and follicular fluid SHBG levels and SHBG (TAAAA)(n) polymorphism with follicle size in women undergoing ovarian stimulation. Hatzi E, et al. Gynecol Endocrinol, 2010 Jun 14. PMID 20540673.Dietary isoflavone intake, polymorphisms in the CYP17, CYP19, 17beta-HSD1, and SHBG genes, and risk of breast cancer in case-control studies in Japanese, Japanese Brazilians, and non-Japanese Brazilians. Iwasaki M, et al. Nutr Cancer, 2010 May. PMID 20432167.

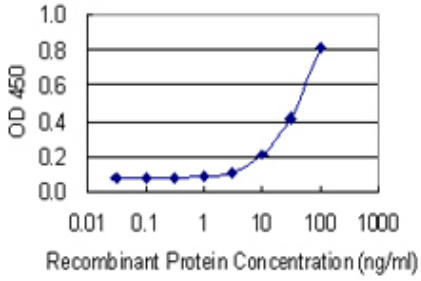
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



SHBG monoclonal antibody (M01), clone 5E6 Western Blot analysis of SHBG expression in HepG2 ((Cat # AT3879a)



Detection limit for recombinant GST tagged SHBG is 1 ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.