

ARG56196 anti-SHBG antibody [SHBG/245]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [SHBG/245] recognizes SHBG
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Mouse
Clonality	Monoclonal
Clone	SHBG/245
Isotype	IgG1
Target Name	SHBG
Species	Human
Immunogen	Recombinant full-length human SHBG protein.
Conjugation	Un-conjugated
Alternate Names	SHBG; SBP; Testosterone-estradiol-binding globulin; Sex hormone-binding globulin; Sex steroid-binding protein; ABP; TeBG; Testis-specific androgen-binding protein; Testosterone-estrogen-binding globulin; TEBG

Application Instructions

Application table	Application	Dilution
	IHC-P	1 - 2 µg/ml
Application Note	IHC-P: Antigen Retrieval: Boil tissue section in 10 mM Tris buffer with 1 mM EDTA (pH 9.0) for 10-20 min, followed by cooling at RT for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

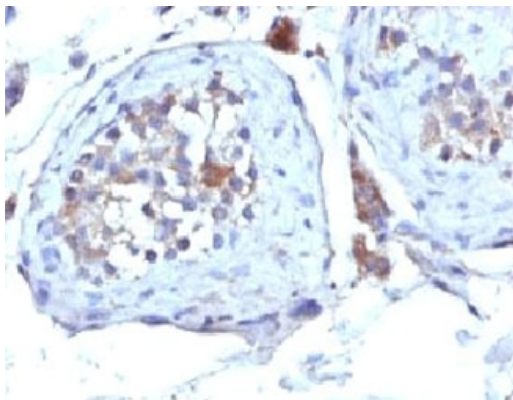
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.05% Sodium azide and 0.1 mg/ml BSA.
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

Database links	GeneID: 6462 Human Swiss-port # P04278 Human
Gene Symbol	SHBG
Gene Full Name	sex hormone-binding globulin
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 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. [provided by RefSeq, Jan 2014]
Function	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. [UniProt]
Calculated Mw	44 kDa
PTM	Variant Asn-356 contains one N-linked (GlcNAc...) at position 356.
Cellular Localization	Cytoplasmic & extracellular (secreted)

Images



ARG56196 anti-SHBG antibody [SHBG/245] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human testicular carcinoma stained with ARG56196 anti-SHBG antibody [SHBG/245].