

bs-6700R**[Primary Antibody]****SRD5A2 Rabbit pAb****BioSS**
ANTIBODIES

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ELISA (1:5000-10000)
Clonality: Polyclonal		Reactivity: (predicted: Human, Mouse, Rat, Pig, Horse)
GeneID: 6716	SWISS: P31213	
Target: SRD5A2		
Immunogen: KLH conjugated synthetic peptide derived from human SRD5A2: 201-254/254.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 28 kDa
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		Subcellular Location: Cell membrane ,Cytoplasm
Background: Converts testosterone (T) into 5-alpha-dihydrotestosterone (DHT) and progesterone or corticosterone into their corresponding 5-alpha-3-oxosteroids. It plays a central role in sexual differentiation and androgen physiology.		

— SELECTED CITATIONS —

- **[IF=8.2]** Qingjing Gao. et al. 1,25(OH)₂D₃ regulates androgen synthesis via transcriptional control of steroidogenic enzymes and LHR in the scented glands of muskrats (*Ondatra zibethicus*). FREE RADICAL BIO MED. 2025 Mar;229:82 IHC ;Muskrat. 39827922
- **[IF=4.522]** Xiao L et al. Dihydrotestosterone synthesis in the sheep corpus luteum and its potential mechanism in luteal regression. J Cell Physiol. 2019 Jan 22. WB ;Sheep. 30671954
- **[IF=4.24]** Tanaka, Sota, et al. "The role of 5α-reductase type 1 associated with intratumoral dihydrotestosterone concentrations in human endometrial carcinoma." Molecular and Cellular Endocrinology (2014). IHC ;Human. 25475427
- **[IF=3.659]** Lu, Shan. et al. An advanced network pharmacology study to explore the novel molecular mechanism of Compound Kushen Injection for treating hepatocellular carcinoma by bioinformatics and experimental verification. BMC Complem Altern M. 2022 Dec;22(1):1-20 WB ;Human. 35236335
- **[IF=4.292]** Longfei Xiao. et al. Dihydrotestosterone through blockade of TGF-β/Smad signaling mediates the anti-fibrosis effect under hypoxia in canine Sertoli cells. J Steroid Biochem. 2022 Feb;216:106041 WB ;Dog. 34864206