

**bs-0118R****[ Primary Antibody ]****BioSS**  
**ANTIBODIES**

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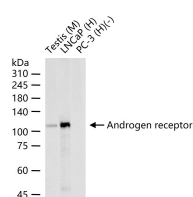
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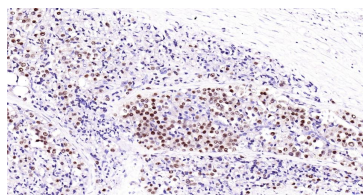
400-901-9800

**AR/Androgen Receptor Rabbit pAb****DATASHEET**

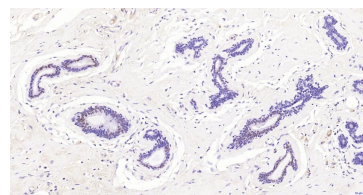
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:50-200) <b>IHC-F</b> (1:50-200) <b>IF</b> (1:50-200)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 367	<b>SWISS:</b> P10275	
<b>Target:</b> AR/Androgen Receptor		<b>Reactivity:</b> Human, Mouse, Rat
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human Androgen receptor isoform 2: 825-919/919.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 43/101 kDa
<b>Storage:</b> 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.		<b>Subcellular Location:</b> Cytoplasm ,Nucleus
<b>Background:</b> The androgen receptor gene is more than 90 kb long and codes for a protein that has 3 major functional domains: the N-terminal domain, DNA-binding domain, and androgen-binding domain. The protein functions as a steroid-hormone activated transcription factor. Upon binding the hormone ligand, the receptor dissociates from accessory proteins, translocates into the nucleus, dimerizes, and then stimulates transcription of androgen responsive genes. This gene contains 2 polymorphic trinucleotide repeat segments that encode polyglutamine and polyglycine tracts in the N-terminal transactivation domain of its protein. Expansion of the polyglutamine tract causes spinal bulbar muscular atrophy (Kennedy disease). Mutations in this gene are also associated with complete androgen insensitivity (CAIS). Two alternatively spliced variants encoding distinct isoforms have been described. [provided by RefSeq, Jul 2008]		

**VALIDATION IMAGES**

25 ug total protein per lane of various lysates (see on figure) probed with Androgen receptor polyclonal antibody, unconjugated (bs-0118R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Prostate Tumor; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with AR/Androgen Receptor Polyclonal Antibody, Unconjugated (bs-0118R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Breast; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with AR/Androgen Receptor Polyclonal Antibody, Unconjugated (bs-0118R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.

**SELECTED CITATIONS**

- **[IF=5.8]** Huang Jing. et al. Effects of exposure to PM2.5 during pregnancy on the multigenerational reproductive outcomes of male mouse offspring and the role of Sertoli cells. ENVIRON SCI POLLUT R. 2023 Sep;1-13 **WB ;Mouse**. 37697192
- **[IF=4.9]** Esther Alba. et al. Detection of Androgen Receptors in Spermatozoa of Small Ruminants: A Putative Modulation Pathway for Cryoresistance Through AQP3. INT J MOL SCI. 2024 Jan;25(22):11972 **WB,IF ;Sheep**. 39596043

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=4.3]** Yeni Yesim. et al. Panax Ginseng Protects Against Doxorubicin-Induced Testicular Injury in Male Rats by Modulating NF- $\kappa$ B/COX-2 and AR Pathways. MOL NEUROBIOL. 2025 Jun;;1-12 IHC ;Rat. 40451973
- **[IF=4.26]** Ma et al. miR-762 promotes porcine immature Sertoli cell growth via the ring finger protein 4 (RNF4) gene. (2016) Sci.Re. 6:32783 WB,ICC ;Pig. 27596571
- **[IF=4.292]** Longfei Xiao. et al. Dihydrotestosterone through blockade of TGF- $\beta$ /Smad signaling mediates the anti-fibrosis effect under hypoxia in canine Sertoli cells. J Steroid Biochem. 2022 Feb;216:106041 WB ;Dog. 34864206