bs-20627R **[Primary Antibody]**

AR/Androgen receptor Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 367 **SWISS:** P10275

Target: AR/Androgen receptor

Immunogen: KLH conjugated synthetic peptide derived from human Androgen receptor: 701-800/919.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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.

Background: 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]

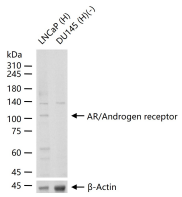
Applications: **WB** (1:500-2000)

Reactivity: Human

Predicted MW.: 43/101 kDa

Subcellular Location: Cytoplasm ,Nucleus

VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with AR/Androgen receptor polyclonal antibody, unconjugated (bs-20627R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

SELECTED CITATIONS

- **[IF=12.2]** Li Mou. et al. GRP78/IRE1 and cGAS/STING pathway crosstalk through CHOP facilitates iodoacetic acid-mediated testosterone decline. J HAZARD MATER. 2024 Sep;476:135101 WB ;Rat. 39002476
- **[IF=6.7]** Li Chen. et al. Xiaohuafuning tang intervenes liver-depression-and-spleen-deficiency syndrome chronic-atrophic-gastritis by reshaping amino acid metabolism through gut Microbiota. PHYTOMEDICINE. 2025 Jan;136:156346 WB ;Rat. 39740378
- **[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. ICC,WB ;Sheep. 30671954

- **[IF=1.652]** Shen H et al. Effects of elevated ambient temperature and local testicular heating on the expressions of heat shock protein 70 and androgen receptor in boar testes. Acta Histochem. 2019 Feb 2. pii: S0065-1281(18)30339-8. WB,IHC ;boar. 30723046
- **[IF=1.638]** Duan H et al. Expression of estrogen receptor, androgen receptor, and progesterone nuclear receptor in sheep uterus during the estrous cycle. Reprod Domest Anim. 2019 Jun 12. IHC,WB ;Sheep. 31188500