

# Product Datasheet

## Androgen R/NR3C4 Antibody

### NB300-551

Unit Size: 0.2 ml

Store at -20C. Avoid freeze-thaw cycles.

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**NB300-551****Androgen R/NR3C4 Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.2 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.05% Sodium Azide
<b>Purity</b>	Unpurified
<b>Buffer</b>	Whole antisera with PBS
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	367
<b>Gene Symbol</b>	AR
<b>Species</b>	Human, Mouse, Rat, Primate
<b>Specificity/Sensitivity</b>	This detects Androgen Receptor. It does not detect estrogen, progesterone, or glucocorticoid receptors.
<b>Immunogen</b>	Fusion protein containing residues 331-572 of human androgen receptor.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Chromatin Immunoprecipitation, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:500, Chromatin Immunoprecipitation 1:10-1:500, Immunohistochemistry 1:10-1:500, Immunocytochemistry/Immunofluorescence 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:100, Immunohistochemistry-Frozen 1:100
<b>Application Notes</b>	Use in Chromatin Immunoprecipitation was reported in the scientific literature (PMID: 17505060). Immunohistochemical staining of AR in rat brain results in intense nuclear staining. For fixation of frozen sections, 2% paraformaldehyde + 15% picric acid solution in phosphate buffer, pH 7.4 is recommended.

## Publications

de Souza BR, de Almeida Chuffa LG, Simao VA, Camargo ICC. Histopathological changes in androgenized ovaries are recovered by melatonin treatment. *Int J Exp Pathol* 2018-08-01 [PMID: 30256483] (IF/IHC, Rat)

Andrade G, Simao V, Souza B et al. Sex steroid receptors profiling is influenced by nandrolone decanoate in the ampulla of the fallopian tube: Post-treatment and post-recovery analyses *Tissue and Cell* 2018-02-01 [PMID: 29429521] (IHC-P, Rat)

Simao VA, Chuffa LG, Camargo IC. Ovarian sex steroid receptors and sex hormones in androgenized rats. *Reproduction* 2016-08-25 [PMID: 27562815] (IF/IHC)

Ortega HH, Salvetti NR, Padmanabhan V et al. Developmental programming: prenatal androgen excess disrupts ovarian steroid receptor balance. *Reproduction*. 2009-05-01 [PMID: 19261835]

Tuica CI, Byers S, Gelmann EP et al. Beta-catenin affects androgen receptor transcriptional activity and ligand specificity. *Cancer Res*. 2000-09-01 [PMID: 10987273]

Bello D, Webber MM, Kleinman HK et al. Androgen responsive adult human prostatic epithelial cell lines immortalized by human papillomavirus 18. *Carcinogenesis*. 1997-06-01 [PMID: 9214605]

Webber MM, Bello D, Kleinman HK et al. Prostate specific antigen and androgen receptor induction and characterization of an immortalized adult human prostatic epithelial cell line. *Carcinogenesis*. 1996-08-01 [PMID: 8761420]

Takeda H, Chodak G, Mutchnik S et al. Immunohistochemical localization of androgen receptors with mono- and polyclonal antibodies to androgen receptor. *J Endocrinol*. 1990-07-01 [PMID: 2199591]

Clancy AN, Whitman C, Michael RP et al. Distribution of androgen receptor-like immunoreactivity in the brains of intact and castrated male hamsters. *Brain Res Bull*. 1994-01-01 [PMID: 8293317]

Clancy AN, Bonsall RW, Michael RP et al. Immunohistochemical labeling of androgen receptors in the brain of rat and monkey. *Life Sci*. 1992-01-01 [PMID: 1734159]





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis.  
Primary Antibodies are guaranteed for 1 year from date of receipt.

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