

## Rabbit AR Polyclonal Antibody | anti-AR antibody

AR Polyclonal Antibody

|                               |                       |                                        |                                             |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA174422</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------|

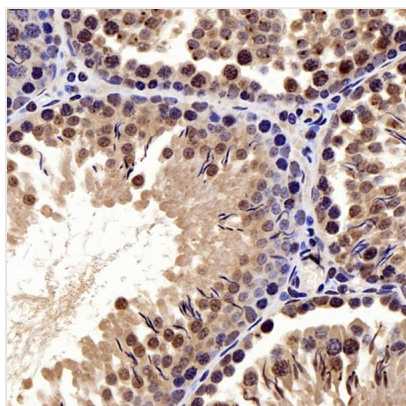
### PRODUCT SYNONYMS

AR; Polyclonal Antibody; AR Polyclonal Antibody; AIS; ANDR; Androgen nuclear receptor variant 2; Androgen receptor (dihydrotestosterone receptor; testicular feminization; spinal and bulbar muscular atrophy; Kennedy disease); Androgen receptor; androgen receptor splice variant 4b; AR8; DHTR; Dihydro testosterone receptor; Dihydrotestosterone receptor (DHTR); Dihydrotestosterone receptor; HUMARA; HYSP1; KD; Kennedy disease (KD); NR3C4; Nuclear receptor subfamily 3 group C member 4 (NR3C4); Nuclear receptor subfamily 3 group C member 4; SBMA; SMAX1; Spinal and bulbar muscular atrophy (SBMA); Spinal and bulbar muscular atrophy; Testicular Feminization (TFM); TFM; anti-AR antibody

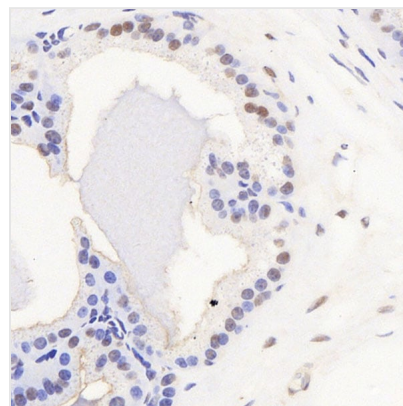
### PRODUCT SPECIFICATIONS

|                                              |                                                                           |
|----------------------------------------------|---------------------------------------------------------------------------|
| Host                                         | Rabbit                                                                    |
| Reactivity                                   | Human, Mouse, Rat                                                         |
| Clonality                                    | Polyclonal                                                                |
| Isotype                                      | IgG                                                                       |
| Purity/Purification                          | Affinity Purification                                                     |
| Form/Format                                  | PBS with 0.02% sodium azide, 100 mug/ml BSA and 50% glycerol.             |
| Concentration                                | 0.83 mg/mL (varies by lot)                                                |
| Sequence Length                              | 388                                                                       |
| Applicable Applications for anti-AR antibody | IHC (Immunohistochemistry)                                                |
| Immunogen                                    | KLH conjugated synthetic peptide corresponding to Mouse Androgen receptor |
| Conjugation                                  | Unconjugated                                                              |
| Preparation and Storage                      | Store at -20 degree C. Avoid freeze/thaw cycles.                          |

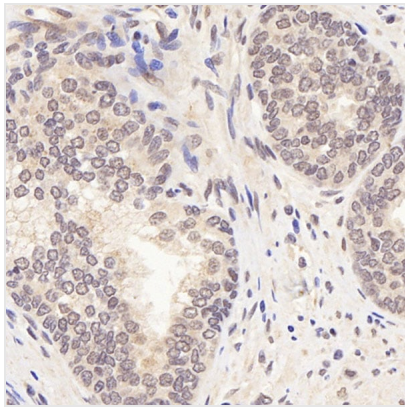
### IMAGES


**IHC (Immunohistochemistry)**

Immunohistochemistry analysis of paraffin-embedded rat testis using AR Polyclonal Antibody at dilution of 1:300.


**IHC (Immunohistochemistry)**

Immunohistochemistry analysis of paraffin-embedded mouse seminal vesicle using AR Polyclonal Antibody at dilution of 1:300.



**IHC (Immunohistochemistry)**  
Immunohistochemistry analysis of paraffin-embedded human Prostate using AR Polyclonal Antibody at dilution of 1:300.

### ADDITIONAL INFORMATION

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-AR antibody | 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. |
| Product Categories/Family for anti-AR antibody   | Cancer; Epigenetics and Nuclear Signaling; Developmental Biology; Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                    |
|----------------------------------|--------------------------------------------------------------------|
| NCBI GI #                        | 21322252                                                           |
| NCBI GeneID                      | 367                                                                |
| NCBI Accession #                 | NP_000035.2                                                        |
| NCBI GenBank Nucleotide #        | NM_000044.4                                                        |
| UniProt Accession #              | P10275; Q9UD95; A0A0B4J1T2; A2RUN2; B1AKD7; C0JKD3; C0JKD4; E7EVX6 |
| Molecular Weight                 | 44,643 Da                                                          |
| NCBI Official Full Name          | androgen receptor isoform 1                                        |
| NCBI Official Synonym Full Names | androgen receptor                                                  |
| NCBI Official Symbol             | AR                                                                 |
| NCBI Official Synonym Symbols    | KD; AIS; AR8; TFM; DHTR; SBMA; HYSP1; NR3C4; SMAX1; HUMARA         |
| NCBI Protein Information         | androgen receptor                                                  |
| UniProt Protein Name             | Androgen receptor                                                  |
| UniProt Gene Name                | AR                                                                 |
| UniProt Synonym Gene Names       | DHTR; NR3C4                                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.