

**Androgen Receptor Antibody**  
Rabbit mAb  
Catalog # AP90097**Specification**

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**Androgen Receptor Antibody - Product Information**

|   |                        |
|---|------------------------|
| Application   | WB, IHC, ICC, IP       |
| Primary Accession                                   | <a href="#">P10275</a> |
| Clonality   | Monoclonal             |
| <b>Other Names</b>                                  |                        |
| SBMA; HYSPP1; AIS; TFM; DHTR; NR3C4; HUMARA; SMAX1; |                        |
| Isotype   | Rabbit IgG             |
| Host  | Rabbit                 |
| Calculated MW                                       | 110kDa KDa             |

**Androgen Receptor Antibody - Additional Information**

|                              |   |
|------------------------------|---|
| Purification                 | <b>Affinity-chromatography</b>  |
| Immunogen                    | <b>A synthesized peptide derived from human Androgen Receptor</b>   |
| Description                  | <b>Androgen receptor (AR), a zinc finger transcription factor belonging to the nuclear receptor superfamily, is activated by phosphorylation and dimerization upon ligand binding. This promotes nuclear localization and binding of AR to androgen response elements in androgen target genes.</b> |
| Storage Condition and Buffer | <b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>  |

**Androgen Receptor Antibody - Protein Information****Name** AR**Synonyms** DHTR, NR3C4**Function**

Steroid hormone receptors are ligand-activated transcription factors that regulate eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues (PubMed:[19022849](http://www.uniprot.org/citations/19022849)). Transcription factor activity is modulated by bound coactivator and corepressor proteins like ZBTB7A that recruits NCOR1 and NCOR2 to the androgen response elements/ARE on target genes, negatively regulating androgen receptor signaling and androgen-induced cell proliferation (PubMed:[20812024](http://www.uniprot.org/citations/20812024)). Transcription

activation is also down-regulated by NROB2. Activated, but not phosphorylated, by HIPK3 and ZIPK/DAPK3.

#### Cellular Location

Nucleus. Cytoplasm Note=Detected at the promoter of target genes (PubMed:25091737)  
Predominantly cytoplasmic in unligated form but translocates to the nucleus upon ligand-binding.  
Can also translocate to the nucleus in unligated form in the presence of RACK1.

#### Tissue Location

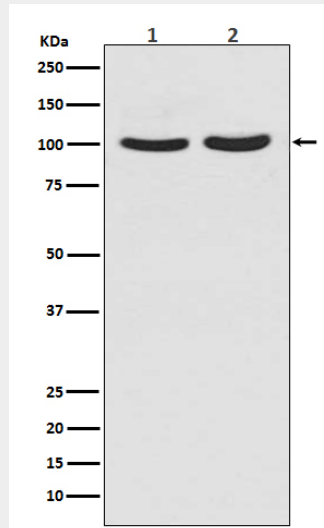
[Isoform 2]: Mainly expressed in heart and skeletal muscle.

### Androgen Receptor Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Androgen Receptor Antibody - Images



Western blot analysis of Androgen Receptor expression in (1) T47D cell lysate;(2) LnCaP cell lysate.