

**Anti-Androgen Receptor (pS94) Antibody**  
Rabbit polyclonal antibody to Androgen Receptor (pS94)  
Catalog # AP61151

**Specification**

---

**Anti-Androgen Receptor (pS94) Antibody - Product Information**

Application	WB, IF
Primary Accession	<a href="#">P10275</a>
Other Accession	<a href="#">P19091</a>
Reactivity	Human, Mouse, Rat, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	99188

**Anti-Androgen Receptor (pS94) Antibody - Additional Information**

**Gene ID** 367

**Other Names**

DHTR; NR3C4; Androgen receptor; Dihydrotestosterone receptor; Nuclear receptor subfamily 3 group C member 4

**Target/Specificity**

Recognizes endogenous levels of Androgen Receptor (pS94) protein.

**Dilution**

WB~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500)  
IF~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500)

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-Androgen Receptor (pS94) 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:<a href="http://www.uniprot.org/citations/19022849" target="\_blank">19022849</a>). 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:<a href="http://www.uniprot.org/citations/20812024" target="\_blank">20812024</a>). 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

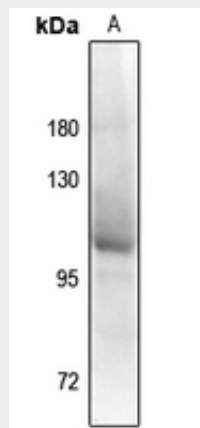
[Isoform 2]: Mainly expressed in heart and skeletal muscle.

### Anti-Androgen Receptor (pS94) Antibody - Protocols

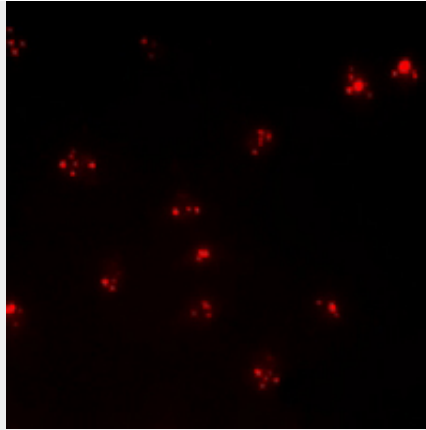
Provided below are standard protocols that you may find useful for product applications.

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

### Anti-Androgen Receptor (pS94) Antibody - Images



Western blot analysis of Androgen Receptor (pS94) expression in mouse muscle (A) whole cell lysates.



Immunofluorescent analysis of Androgen Receptor (pS94) staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

#### **Anti-Androgen Receptor (pS94) Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Androgen Receptor (pS94). The exact sequence is proprietary.