

**Anti-Androgen Receptor (pS650) Antibody**  
Rabbit polyclonal antibody to Androgen Receptor (pS650)  
Catalog # AP59958

## Specification

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### Anti-Androgen Receptor (pS650) Antibody - Product Information

Application	WB, E
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 (pS650) 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 (pS650) protein.

#### Dilution

WB~~WB (1/500 - 1/1000), IH (1/100 - 1/500)  
E~~WB (1/500 - 1/1000), IH (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 (pS650) 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

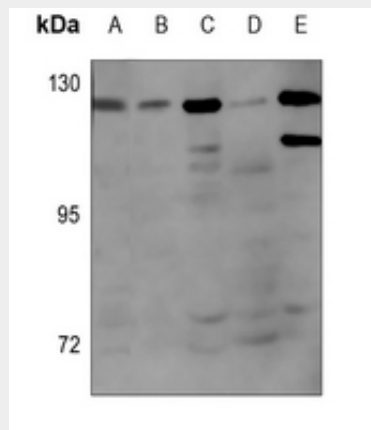
[Isoform 2]: Mainly expressed in heart and skeletal muscle.

### Anti-Androgen Receptor (pS650) Antibody - Protocols

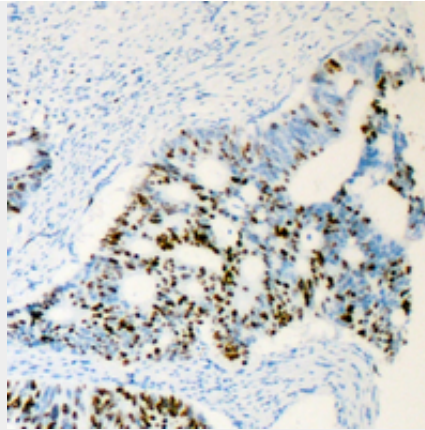
Provided below are standard protocols that you may find useful for product applications.

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

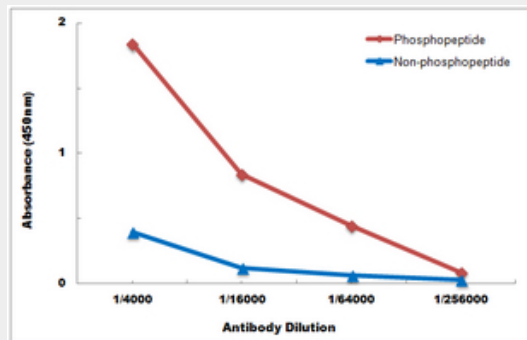
### Anti-Androgen Receptor (pS650) Antibody - Images



Western blot analysis of Androgen Receptor (pS650) expression in H1688 (A), mouse liver (B), mouse kidney (C), rat liver (D), rat kidney (E) whole cell lysates.



Immunohistochemical analysis of Androgen Receptor (pS650) staining in human prostate cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Direct ELISA antibody dose-response curve using Anti-Androgen Receptor (pS650) Antibody. Antigen (phosphopeptide and non-phosphopeptide) concentration is 5 ug/ml. Goat Anti-Rabbit IgG (H&L) - HRP was used as the secondary antibody, and signal was developed by TMB substrate.

**Anti-Androgen Receptor (pS650) Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Androgen Receptor (pS650). The exact sequence is proprietary.