

**AR(Acetyl-K631) Polyclonal Antibody**  
Catalog # AP63283**Specification****AR(Acetyl-K631) Polyclonal Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">P10275</a> |
| Reactivity        | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |

**AR(Acetyl-K631) Polyclonal Antibody - Additional Information****Gene ID** 367**Other Names**

Androgen receptor (Dihydrotestosterone receptor) (Nuclear receptor subfamily 3 group C member 4)

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**AR(Acetyl-K631) Polyclonal 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 NR0B2. 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**

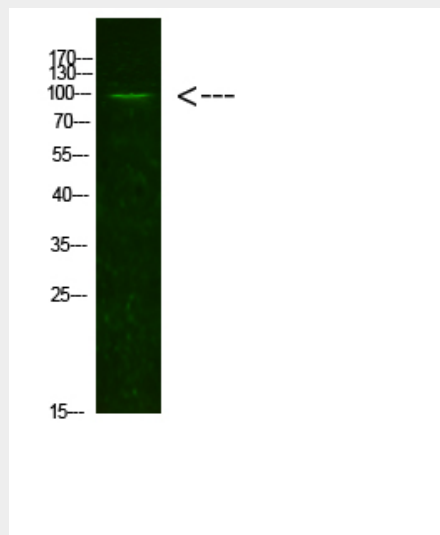
[Isoform 2]: Mainly expressed in heart and skeletal muscle.

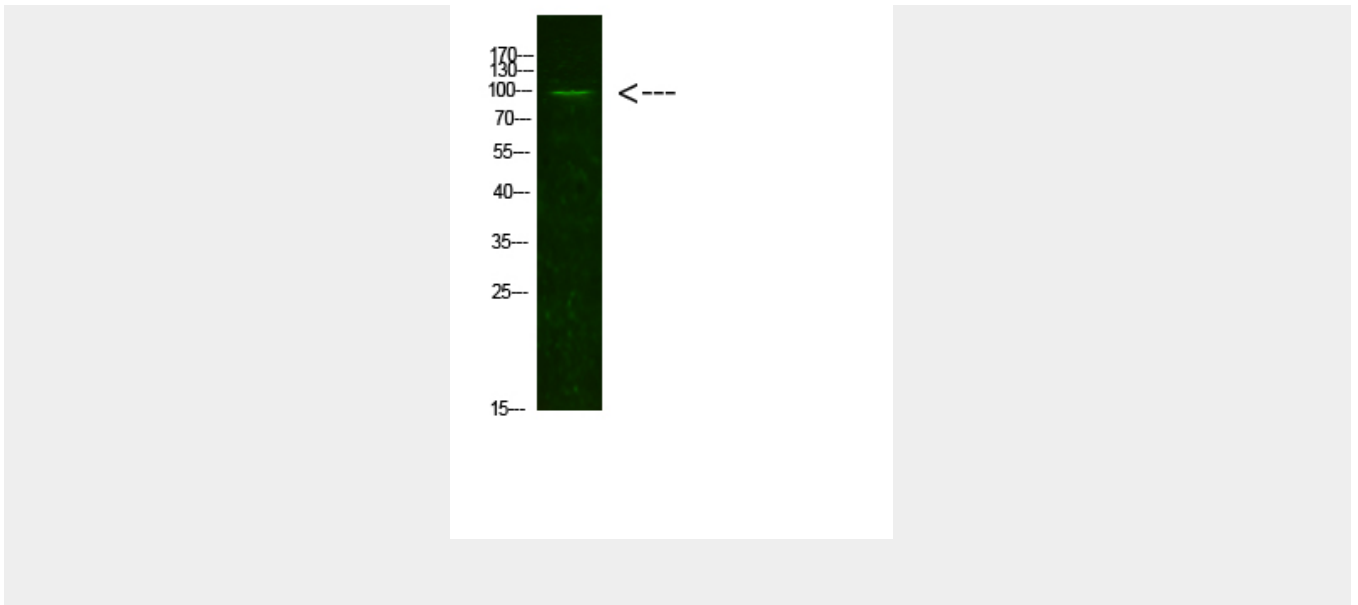
#### **AR(Acetyl-K631) Polyclonal Antibody - Protocols**

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](#)

#### **AR(Acetyl-K631) Polyclonal Antibody - Images**





### **AR(Acetyl-K631) Polyclonal Antibody - Background**

Steroid hormone receptors are ligand-activated transcription factors that regulate eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues. 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). Transcription activation is also down-regulated by NR0B2. Activated, but not phosphorylated, by HIPK3 and ZIPK/DAPK3.