

# AR / Androgen Receptor Antibody (aa621-670)

Rabbit Polyclonal Antibody Catalog # ALS15013

## **Specification**

## AR / Androgen Receptor Antibody (aa621-670) - Product Information

Application WB, IHC
Primary Accession P10275
Reactivity Human
Host Rabbit
Clonality Polyclonal
Calculated MW 99kDa KDa

## AR / Androgen Receptor Antibody (aa621-670) - Additional Information

Gene ID 367

#### **Other Names**

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

### Target/Specificity

Androgen Receptor (Ab-650) Antibody detects endogenous levels of total Androgen Receptor protein.

## **Reconstitution & Storage**

Store at -20°C for up to one year.

#### **Precautions**

AR / Androgen Receptor Antibody (aa621-670) is for research use only and not for use in diagnostic or therapeutic procedures.

### AR / Androgen Receptor Antibody (aa621-670) - 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.

## **Volume**

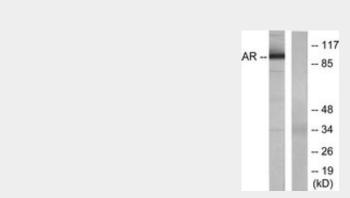
50 μl

## AR / Androgen Receptor Antibody (aa621-670) - Protocols

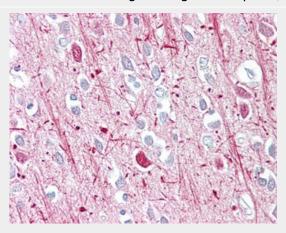
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## AR / Androgen Receptor Antibody (aa621-670) - Images



Western blot of extracts from LOVO cells, using Androgen Receptor (Ab-650) Antibody.



Anti-Androgen Receptor antibody IHC of human brain, cortex.

AR / Androgen Receptor Antibody (aa621-670) - 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. Transcription activation is down-regulated by NROB2. Activated, but not phosphorylated, by HIPK3 and ZIPK/DAPK3.

# AR / Androgen Receptor Antibody (aa621-670) - References

Lubahn D.B., et al. Mol. Endocrinol. 2:1265-1275(1988). Chang C., et al. Proc. Natl. Acad. Sci. U.S.A. 85:7211-7215(1988). Tilley W.D., et al. Proc. Natl. Acad. Sci. U.S.A. 86:327-331(1989). Lubahn D.B., et al. Proc. Natl. Acad. Sci. U.S.A. 86:9534-9538(1989). Govindan M.V., et al. Mol. Endocrinol. 4:417-427(1990).