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KD-Validated Anti-Androgen receptor Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1169

Specification

KD-Validated Anti-Androgen receptor Rabbit Monoclonal Antibody - Product Information

Application	**WB, FC, ICC**
Primary Accession	P10275
Reactivity	**Human, Mouse**
Clonality	**Monoclonal**
Isotype	**Rabbit IgG**
Calculated MW	**Predicted, 99 kDa , observed, 110 kDa KDa**
Gene Name	**AR**
Aliases	**AR; Androgen Receptor; NR3C4; Dihydrotestosterone Receptor; HUMARA; SMAX1; DHTR; AIS; Nuclear Receptor Subfamily 3 Group C Member 4; SBMA; Spinal And Bulbar Muscular Atrophy; Testicular Feminization; Kennedy Disease; HYSP1; AR8; TFM; KD**
Immunogen	**A synthesized peptide derived from human Androgen Receptor**

KD-Validated Anti-Androgen receptor Rabbit Monoclonal Antibody - Additional Information

Gene ID	**367**

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

KD-Validated Anti-Androgen receptor Rabbit Monoclonal 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). 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.

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.

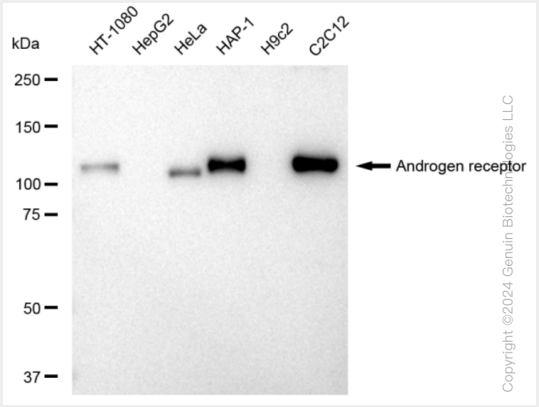
Tissue Location
[Isoform 2]: Mainly expressed in heart and skeletal muscle.

KD-Validated Anti-Androgen receptor Rabbit Monoclonal Antibody - Protocols

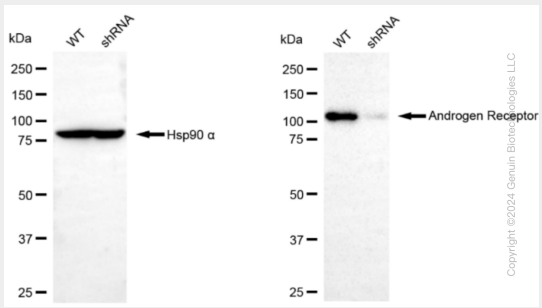
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KD-Validated Anti-Androgen receptor Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-Androgen receptor antibody (Cat#AGI1169). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Androgen receptor antibody (Cat#AGI1169, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-Androgen Receptor antibody (Cat#AGI1169). Androgen Receptor expression in wild type (WT) and Androgen Receptor shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with

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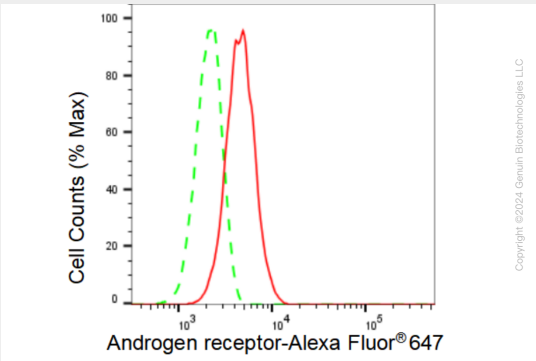
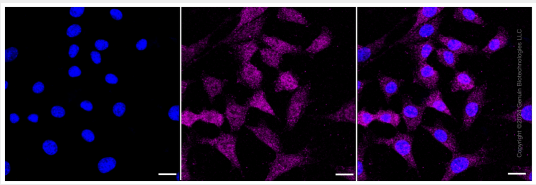
anti-Androgen Receptor antibody (Cat#AGI1169, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of Androgen receptor expression in C2C12 cells using Androgen receptor antibody (Cat#AGI1169, 1:2,000). Green, isotype control; red, Androgen receptor.



Immunocytochemical staining of C2C12 cells with Androgen receptor antibody (Cat#AGI1169, 1:1,000). Nuclei were stained blue with DAPI; Androgen receptor was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Very low. Scale bar: 20 µm.