

KD-Validated Anti-Androgen receptor Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1169

Product Information

Application	WB, FC, ICC
Primary Accession	P10275
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB 3210
Calculated MW	99188
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; HYSPI; AR8; TFM; KD
Immunogen	A synthesized peptide derived from human Androgen Receptor

Additional Information

Gene ID	367
Other Names	Androgen receptor, Dihydrotestosterone receptor, Nuclear receptor subfamily 3 group C member 4, AR, DHTR, NR3C4

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.

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