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Androgen Receptor Antibody

Rabbit mAb
Catalog # AP90097

Product Information

Application	WB, IHC, IF, ICC, IP, IHF
Primary Accession	P10275
Reactivity	Human
Clonality	Monoclonal
Other Names	SBMA; HYSP1; AIS; TFM; DHTR; NR3C4; HUMARA; SMAX1;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	99188

Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:100 ICC/IF 1:50~1:100 IP 1:30
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Androgen Receptor
Description	Androgen receptor (AR), a zinc finger transcription factor belonging to the nuclear receptor superfamily, is activated by phosphorylation and dimerization upon ligand binding. This promotes nuclear localization and binding of AR to androgen response elements in androgen target genes.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

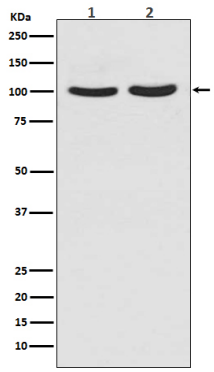
Protein Information

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.

Images



Western blot analysis of Androgen Receptor expression in (1) T47D cell lysate;(2) LnCaP cell lysate.

Image not found : 202311/AP90097-IHC.jpg

Immunohistochemical analysis of paraffin-embedded human prostate carcinoma, using Androgen Receptor Antibody.

Image not found : 202311/AP90097-IF.jpg

Immunofluorescent analysis of Lncap cells, using Androgen Receptor Antibody .

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