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AR

Rabbit Monoclonal antibody(Mab)
Catalog # AD80215

Product Information

Application	IHC-P
Primary Accession	P10275
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Clone Names	352G5B1
Calculated MW	99188

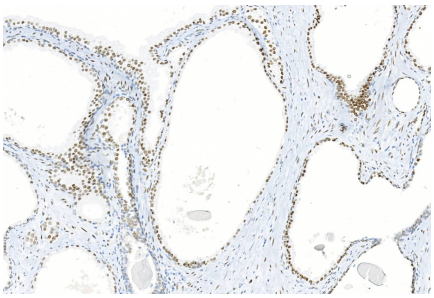
Additional Information

Gene ID	367
Gene Name	AR
Other Names	Androgen receptor, Dihydrotestosterone receptor, Nuclear receptor subfamily 3 group C member 4, AR, DHTR, NR3C4
Dilution	IHC-P~~Ready-to-use
Storage	Maintain refrigerated at 2-8°C.
Precautions	Androgen Receptor Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

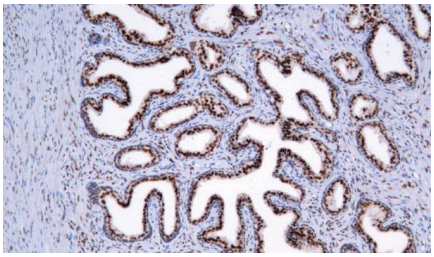
Protein Information

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



Immunohistochemical analysis of formalin-fixed and paraffin-embedded human benign prostatic hyperplasia tissue was performed with AR primary antibody, followed by peroxidase-conjugated secondary antibody and DAB staining.



Immunohistochemical analysis of formalin-fixed and paraffin-embedded human prostatic adenocarcinoma tissue was performed with AR primary antibody, followed by peroxidase-conjugated secondary antibody and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.