10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

Anti-Androgen Receptor AR Rabbit Monoclonal Antibody
Catalog # ABO14233

Specification

Anti-Androgen Receptor AR Rabbit Monoclonal Antibody - Product Information

Application	**WB, IHC, IF, ICC, IP**
Primary Accession	P10275
Host	**Rabbit**
Isotype	**Rabbit IgG**
Reactivity	**Human**
Clonality	**Monoclonal**
Format	**Liquid**

Description
Anti-Androgen Receptor AR Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human.

Anti-Androgen Receptor AR 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

Calculated MW
98989 MW KDa

Application Details
WB 1:500-1:2000
IHC 1:50-1:100
ICC/IF 1:50-1:100
IP 1:30

Subcellular Localization
Nucleus. Cytoplasm. 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 GNB2L1.

Tissue Specificity
Isoform 2 is mainly expressed in heart and skeletal muscle..

Contents
Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen
A synthesized peptide derived from human Androgen Receptor

Purification
Affinity-chromatography

Storage	**Store at -20°C for one year. For short term**

storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-Androgen Receptor AR 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.

Anti-Androgen Receptor AR 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

Anti-Androgen Receptor AR Rabbit Monoclonal Antibody - Images

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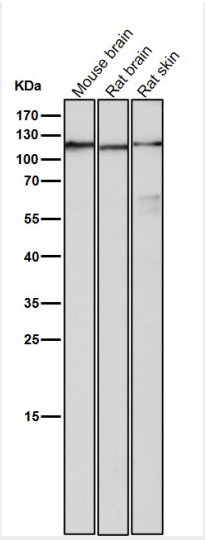
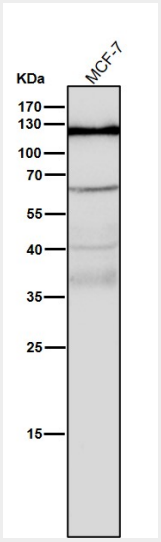


All lanes use the Antibody at 1:5K dilution for 1 hour at room temperature.



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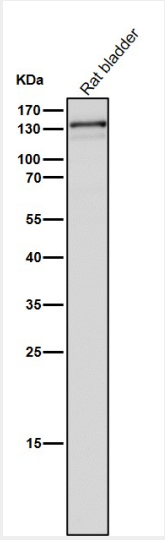

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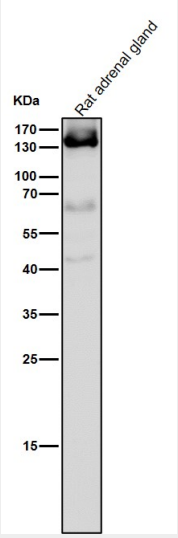
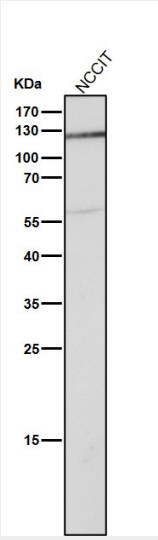


All lanes use the Antibody at 1:5K dilution for 1 hour at room temperature.



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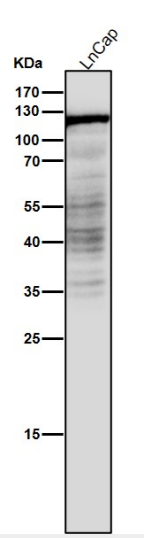

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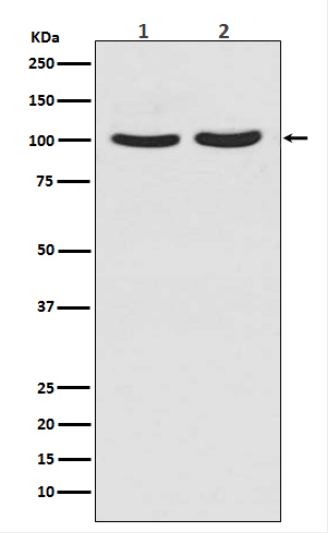
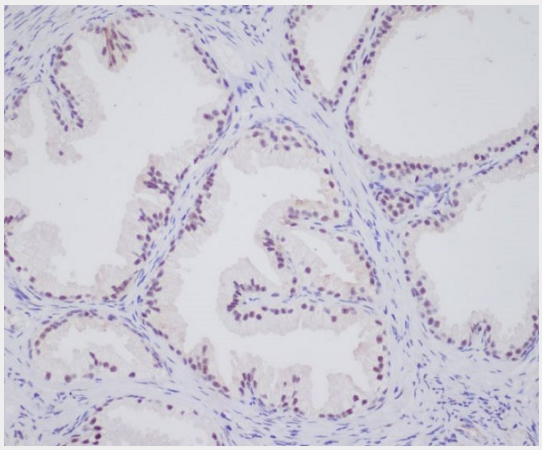
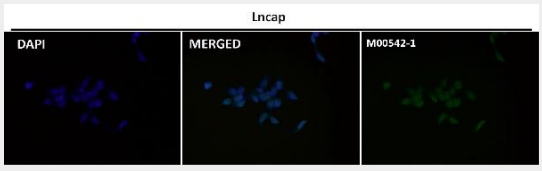


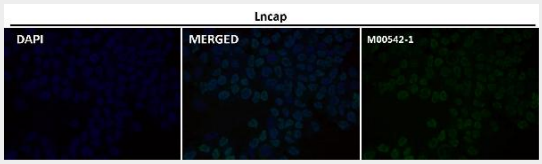
Western blot analysis of Androgen Receptor expression in (1) T47D cell lysate;(2) LnCaP cell lysate.



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



Immunofluorescent analysis using the Antibody at 1:50 dilution.



Immunofluorescent analysis using the Antibody at 1:150 dilution.

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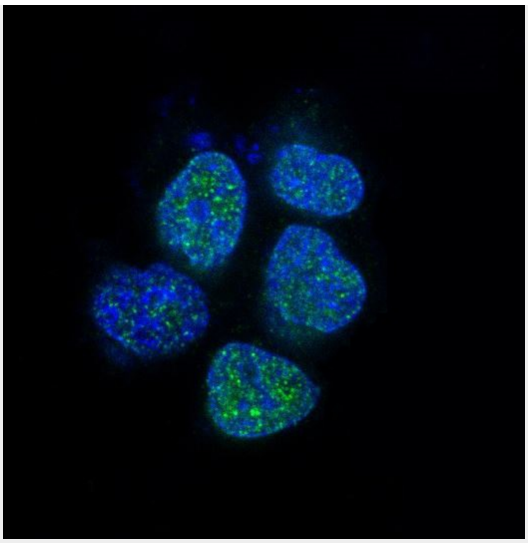

Immunofluorescent analysis of Lncap cells, using Androgen Receptor Antibody.