

## Recombinant Androgen Receptor (CT) Monoclonal Antibody

catalog number: **AN301437L**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

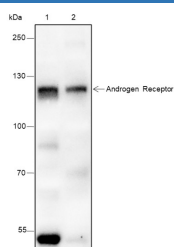
<b>Reactivity</b>	Human;Rat;Mouse
<b>Immunogen</b>	Synthetic peptide derived from Androgen Receptor (AR) (C-term) anti
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG, $\kappa$
<b>Clone</b>	A132
<b>Purification</b>	Protein A purified
<b>Buffer</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

### Applications

### Recommended Dilution

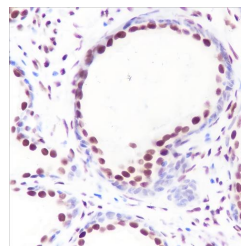
<b>WB</b>	1:500-1:2000
<b>IHC</b>	1:200-1:1000

### Data

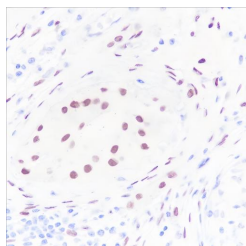


Western Blot with Androgen Receptor Monoclonal Antibody at dilution of 1:2000. Lane 1: Mouse testis, Lane 2: Rat testis

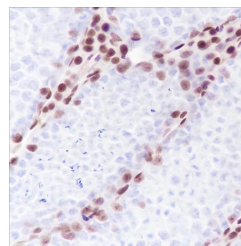
**Observed-MW:120 kDa**  
**Calculated-MW:99 kDa**



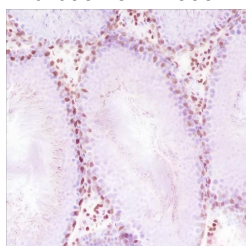
Immunohistochemistry of paraffin-embedded Human prostate using Androgen Receptor Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Human seminoma using Androgen Receptor Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Mouse testis using Androgen Receptor Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Rat testis using Androgen Receptor Monoclonal Antibody at dilution of 1:1000.

### For Research Use Only

Toll-free: 1-888-852-8623  
Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086  
Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

Rev. V1.0

## Preparation & Storage

**Storage**

Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

**Shipping**

Ice bag

## Background

Steroid hormone receptors are ligand-activated transcription factors that regulate eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues. 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. Transcription activation is also down-regulated by NR0B2. Activated, but not phosphorylated, by HIPK3 and ZIPK/DAPK3.9 Publications Isoform 3 and isoform 4 lack the C-terminal ligand-binding domain and may therefore constitutively activate the transcription of a specific set of genes independently of steroid hormones.

## For Research Use Only

Toll-free: 1-888-852-8623

Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086

Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

Rev. V1.0