

## AR

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC ICC IF

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:100 ICC 1:50 - 1:200 IF 1:50 - 1:200

**Calculated MW:**110kDa

**Observed MW:**Refer to Figures

**Immunogen:**

A synthetic peptide of human AR

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

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**Synonym:**

KD; AIS; TFM; DHTR; SBMA; HYSY1; NR3C4; SMAX1; HUMARA

**Catalog #:**A2053

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**367

**Isotype:**IgG

**Swiss Prot:**P10275

**Purity:**Affinity purification

For research use only.

**Background:**

Androgen receptor (AR), a zinc finger transcription factor belonging to the nuclear receptor superfamily, is activated by phosphorylation and dimerization upon ligand binding (1). This promotes nuclear localization and binding of AR to androgen response elements in androgen target genes. AR plays a crucial role in several stages of male development and the progression of prostate cancer (2,3).

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