

## Androgen receptor Monoclonal Antibody

### Description

<b>Product type</b>	Antibody
<b>Code</b>	BT-MCA4634
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1
<b>Size</b>	100µL, 50µL
<b>Immunogen</b>	Purified recombinant fragment of human AR expressed in E. Coli.
<b>Mol wt</b>	110kDa
<b>Species reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	WB,IHC
<b>Concentration</b>	N/A
<b>Full name</b>	N/A
<b>Synonyms</b>	NR3C4;KD;AIS;SMAX1;HUMARA;AR

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

The androgen receptor (AR), also known as NR3C4 (nuclear receptor subfamily 3, group C, member 4), is a type of nuclear receptor which is activated by binding of either of the androgenic hormones testosterone or dihydrotestosterone in the cytoplasm and then translocating into the nucleus. The androgen receptor is most closely related to the progesterone receptor, and progestins in higher dosages can block the androgen receptor. The main function of the androgen receptor is as a DNA binding transcription factor which regulates gene expression; however, the androgen receptor has other functions as well. Androgen regulated genes are critical for the development and maintenance of the male sexual phenotype.

### Recommended Dilution

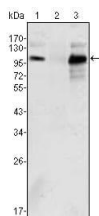
WB: 1:500 - 1:2000

IHC-p: 1:200 - 1:1000

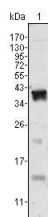
ELISA: 1:10000

Not yet tested in other applications.

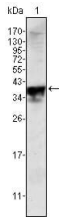
### Images



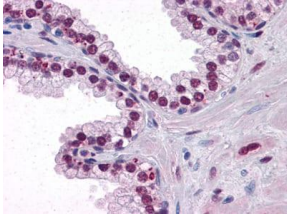
Western blot analysis using Androgen receptor mouse mAb against K562 (1), Jurkat (2) and LNCaP (3) cell lysate.



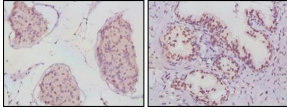
Western blot analysis using Androgen receptor mAb against human Androgen receptor (AA: 221-321) recombinant protein. (Expected MW is 40 kDa)



Western blot analysis using Androgen receptor mouse mAb against Androgen receptor (aa221-321)-hlgGFc transfected HEK293 cell lysate.



Immunohistochemical analysis of paraffin-embedded human Prostate tissues using Androgen receptor mouse mAb



Immunohistochemical analysis of paraffin-embedded human human testis (left) and prostate cancer (right) tissues using Androgen Receptor mouse mAb with DAB staining.

### Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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