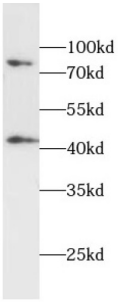
Androgen Receptor (AR) Antibody

Catalogue No.:abx011629



WB analysis of MCF7 cells, using AR antibody (1/1000 dilution).

Androgen Receptor (AR) Antibody is a Rabbit Polyclonal antibody for the detection of androgen receptor.

The androgen receptor gene is more than 90 kb long and codes for a protein that has 3 major functional domains: the N-terminal domain, DNA-binding domain, and androgen-binding domain. The protein functions as a steroid-hormone activated transcription factor. Upon binding the hormone ligand, the receptor dissociates from accessory proteins, translocates into the nucleus, dimerizes, and then stimulates transcription of androgen responsive genes. This gene contains 2 polymorphic trinucleotide repeat segments that encode polyglutamine and polyglycine tracts in the N-terminal transactivation domain of its protein. Expansion of the polyglutamine tract from the normal 9-34 repeats to the pathogenic 38-62 repeats causes spinal bulbar muscular atrophy (SBMA, also known as Kennedy's disease). Mutations in this gene are also associated with complete androgen insensitivity (CAIS). Alternative splicing results in multiple transcript variants encoding different isoforms.

Target:	Androgen Receptor (AR)
Clonality:	Polyclonal
Reactivity:	Human, Rat
Tested Applications:	ELISA, WB, IHC
Host:	Rabbit
Recommended dilutions:	WB: 1/500 - 1/2000, IHC: 1/500 - 1/200. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	androgen receptor
Isotype:	IgG
Form:	Liquid
Purity:	≥ 95% (SDS-PAGE)

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Purification:	Purified by immunogen affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
Validity:	12 months.
UniProt Primary AC:	P10275 (UniProt, ExPASy)
Gene Symbol:	AR
GeneID:	367
OMIM:	300068
HGNC:	644
KEGG:	hsa:367
Ensembl:	ENSG00000169083
String:	9606.ENSP00000363822
Molecular Weight:	Observed MW: 45 kDa, 75-80 kDa
Buffer:	PBS, pH 7.3, with 0.02% sodium azide and 50% glycerol.
Concentration:	2 mg/ml
Note:	This product is for research use only.

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