

Basic Information

Product Name	Anti-Androgen receptor/AR Antibody (Clone#CDF-1)	
Gene Name	AR	
Source	Rabbit	
Clonality	Monoclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, ICC/IF	
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.	
Immunogen	A synthesized peptide derived from human Androgen Receptor	
Concentration	500 ug/ml	
Purification	Affinity-chromatography	
Observed MW	110-120 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Immunohistochemistry (IHC):	1:50-200
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-200

Storage

12 months from date of receipt, -20°C as supplied.

Background Information

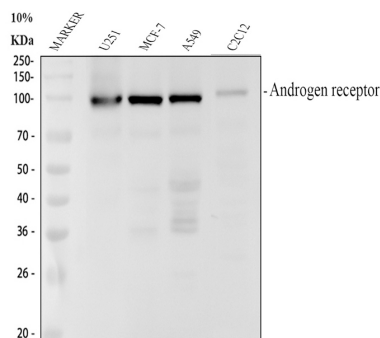
The AR (androgen receptor) gene is more than 90 kb long and codes for a protein that has 3 major functional domains: the N-terminal domain, DNA-binding domain, and androgen-binding domain. The AR gene is mapped to Xq12. The protein functions as a steroid-hormone activated transcription factor. Upon binding 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 causes spinal bulbar muscular atrophy (Kennedy disease). Mutations in this gene are also associated with complete androgen insensitivity (CAIS). Two alternatively spliced variants encoding distinct isoforms

have been described.

Reference

Anti-Androgen receptor/AR Antibody (Clone#CDF-1)被引用在4文献中。

Selected Validation Data



Western blot analysis of anti-Androgen receptor/AR antibody (BM4204). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

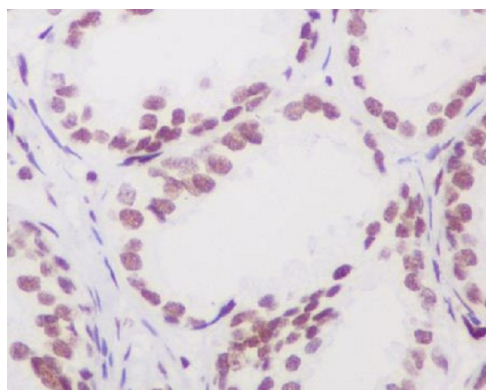
Lane 1: human U251 whole cell lysates,

Lane 2: human MCF-7 whole cell lysates,

Lane 3: human A549 whole cell lysates,

Lane 4: mouse C2C12 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-Androgen receptor/AR antigen affinity purified monoclonal antibody (BM4204) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for Androgen receptor/AR at approximately 110-120 kDa. The expected band size for Androgen receptor/AR is at 99 kDa.



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

Product datasheet

Anti-Androgen receptor/AR Antibody (Clone#CDF-1)

Catalog Number: **BM4204**

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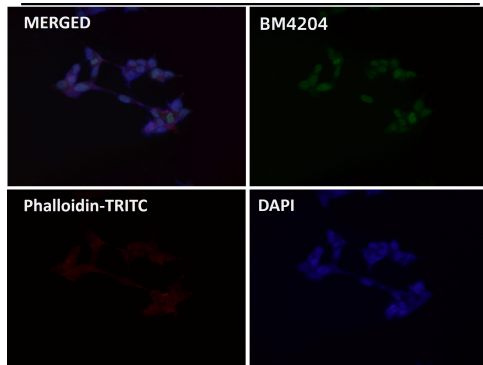
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY

Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.

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Lncap



Immunofluorescent analysis using the Antibody.