

Basic Information

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| Product Name | Anti-Androgen receptor/AR Antibody (Clone#OTI1D3) |
| Gene Name | AR |
| Source | Mouse |
| Clonality | Monoclonal |
| Isotype | IgG1 |
| Species Reactivity | human, mouse, rat |
| Tested Application | WB, IHC |
| Contents | PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| Immunogen | Human recombinant protein fragment corresponding to amino acids 420-659 of human AR(NP_000035) produced in E.coli. |
| Concentration | 500 ug/ml |
| Purification | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Observed MW | 99 kDa |
| Dilution Ratios | Western blot (WB): 1:2000 Immunohistochemistry (IHC):1:150 |

Storage

Stable for 12 months from date of receipt. Store at -20°C as received.

Background Information

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 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. [provided by RefSeq, Jul 2008]

Product datasheet

Anti-Androgen receptor/AR Antibody (Clone#OTI1D3)

Catalog Number: **MA00542**

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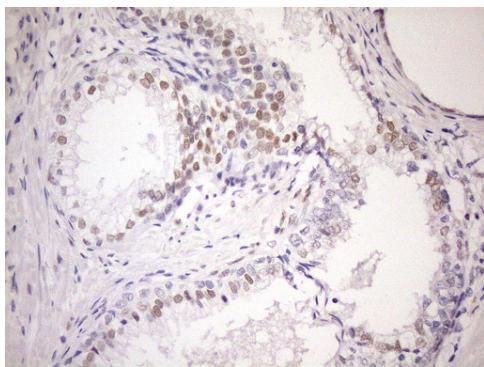
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY

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

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Selected Validation Data



Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-AR mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, MA00542) (1:150)

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Western blot analysis of extracts (10ug) from 1 cell lines by using anti-AR monoclonal antibody (1:200).

