Product datasheet

Anti-Zebrafish Androgen receptor/AR Antibody

Catalog Number: *AZA4GT83*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

Basic Information

Product Name	Anti-Zebrafish Androgen receptor/AR Antibody
Gene Name	AR
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	zebrafish
Tested Application	WB
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived zebrafish Androgen receptor/AR recombinant protein (Position: E12-Q852)
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	96 kDa
Dilution Ratios	Western blot (WB):1:500-2000

Storage

12 months from date of receipt, -20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

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.

Selected Validation Data

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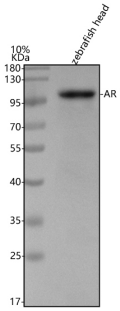

Figure 1. Western blot analysis of Androgen receptor/AR using anti-Androgen receptor/AR antibody (AZA4GT83). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: zebrafish head tissue lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-Androgen receptor/AR antigen affinity purified polyclonal antibody (AZA4GT83) 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 96 kDa. The expected band size for Androgen receptor/AR is at 96 kDa.