

## Anti-Zebrafish Androgen receptor/AR Antibody Picoband® PE Conjugated

Catalog Number: AZA4GT83-PE

### About AR

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.

### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-Zebrafish Androgen receptor/AR Antibody Picoband® PE Conjugated   |
| Reactive Species     | Zebrafish  |
| Application          | Recommended applications are based on the parent unconjugated antibody (WB). Customers may select suitable applications according to their experimental needs. |
| Clonality            | Polyclonal   |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .   |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.   |
| Host                 | Rabbit   |
| Uniprot ID           | A4GT83   |

### Technical Details

|               |  |
|---------------|--|
| Immunogen     | E.coli-derived zebrafish Androgen receptor/AR recombinant protein (Position: E12-Q852) |
| Form          | Liquid   |
| Concentration | 0.5 mg/mL  |
| Purification  | Immunogen affinity purified.   |
| Conjugate     | PE<br>Excitation Wavelength: 566 nm<br>Emission Wavelength: 574 nm                     |

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Anti-Zebrafish Androgen receptor/AR Antibody - PE

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