## **Elabscience**®

## Androgen Receptor Polyclonal Antibody

## catalog number: E-AB-68340

Note: Centrifuge before opening to ensure complete recovery of vial contents.

| Description   |   |   |  |
|---|---|---|--|
| Reactivity  | Human;Mouse;Rat   | Human;Mouse;Rat   |  |
| Immunogen   | A synthetic peptide of hur  | A synthetic peptide of human Androgen Receptor  |  |
| Host  | Rabbit  | Rabbit  |  |
| Isotype   | IgG   | IgG   |  |
| Purification  | Affinity purification   | Affinity purification   |  |
| Buffer  | Phosphate buffered soluti   | on, pH 7.4, containing 0.05% stabilizer and 50% glycerol.   |  |
| Applications  | <b>Recommended Dilut</b>  | Recommended Dilution  |  |
| WB  | 1:500-1:2000  |   |  |
| Data  |   |   |  |
| 250kDa<br>150kDa<br>100kDa<br>70kDa<br>50kDa<br>40kDa<br>50kDa<br>40kDa<br>50kDa<br>40kDa<br>50kDa<br>40kDa<br>50kDa<br>40kDa<br>50kDa<br>40kDa<br>50kDa<br>40kDa<br>40kDa<br>50kDa<br>40kDa<br>40kDa<br>50kDa<br>40kDa<br>50kDa<br>40kDa<br>50kDa<br>40kDa<br>50kDa<br>40kDa<br>50kDa<br>40kDa<br>50kDa<br>40kDa<br>50kDa<br>40kDa<br>50kDa<br>40kDa<br>50kDa<br>50kDa<br>40kDa<br>50kDa<br>50kDa<br>40kDa<br>50kDa<br>50kDa<br>40kDa<br>50kDa<br>50kDa<br>40kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa<br>50kDa | Androgen Receptor<br>acts of Rat testis using Androgen<br>Antibody at 1:500dilution.<br>V:80 kDa/110 kDa<br>4 kDa/67 kDa/99 kDa | Western blot analysis of extracts of Mouse testis using<br>Androgen Receptor Polyclonal Antibody at 1:500 dilution.<br>Observed-MW:80 kDa/110 kDa<br>Calculated-MW:44 kDa/67 kDa/99 kDa |  |
| Preparation & Storage   |   |   |  |
| Storage   | Store at -20°C Valid for 12   | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.   |  |
| Shipping  | The product is shipped wi   | The product is shipped with ice pack, upon receipt, store it immediately at the   |  |
|   | temperature recommended   | temperature recommended.  |  |
|   |   |   |  |

## Background

The androgen receptor gene is more than 90 kb long and codes for a protein that has 3 major functional domains: the Nterminal 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 Nterminal 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 (Kennedy disease). Mutations in this gene are also associated with complete androgen insensitivity (CAIS). Two alternatively spliced variants encoding distinct isoforms have been described.

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