

# Androgen Receptor Rabbit pAb

Catalog No.: A0330 **1 Publications**

## Basic Information

**Catalog No.**

A0330

**Observed MW**

80kDa

**Calculated MW**

44kDa/67kDa/99kDa

**Category**

Primary antibody

**Applications**

WB

**Cross-Reactivity**

Human, Mouse, Rat

## Recommended Dilutions

WB 1:500 - 1:2000

## Background

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 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.

## Immunogen Information

**Gene ID**

367

**Swiss Prot**

P10275

**Immunogen**

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human Androgen Receptor (NP\_000035.2).

**Synonyms**

AIS;AR8;DHTR;HUMARA;HYSP1;KD;NR3C4;SBMA;SMAX1;TFM;AR

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

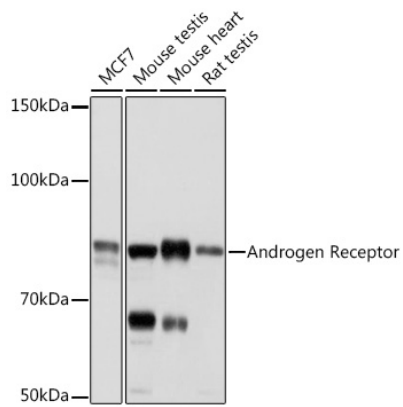
**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of extracts of various cell lines, using Androgen Receptor Rabbit pAb (A0330) at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.