



**Category: Monoclonal Antibodies    Cat. #: MAB-606020273**

**Product Name: Mouse Monoclonal Antibody to AR**

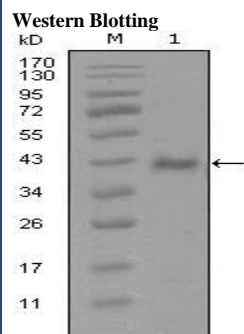


Figure 1: Western blot analysis using AR mouse mAb against truncated Trx-AR recombinant protein (1).

Lot#:

Clone#: 1A9D12

Host and isotype: Mouse IgG1

Size: 0.1ml

MW:

Aliases: KD; AIS; TFM; DHTR; SBMA

Entrez Gene: 367

Species reactivity: Human

#### Description

AR: androgen receptor. 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.

#### Immunogen

Purified recombinant fragment of AR (aa689-919) expressed in E. Coli.

#### Applications

Western Blotting: 1/500 - 1/2000.

ELISA: Propose dilution 1/10000.

Not yet tested in other applications.

Determining optimal working dilutions by titration test.

#### Formulation

Ascitic fluid containing 0.03% sodium azide.

#### Storage

Store at 4°C, for long term storage, store at -20°C.

#### Related product

#### References

1. Cancer Res. 2006 Nov 15;66(22):11077-83.
2. Mol Cell Biol. 2007 Oct;27(20):7125-42.

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