

Androgen Receptor Rabbit mAb

Catalog No.: A19611 Recombinant 8 Publications

Basic Information

Observed MW

110kDa

Calculated MW

99kDa

Category

Primary antibody

Applications

WB, IP, IF-P, IHC-P, mIHC, ELISA

Cross-Reactivity

Human, Mouse, Rat

Clone/No. number

ARC0090

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 (SBMA, also known as Kennedy's disease). Mutations in this gene are also associated with complete androgen insensitivity (CAIS). Alternative splicing results in multiple transcript variants encoding different isoforms.

Recommended Dilutions

WB 1:1000 - 1:2000

IP 0.5µg-4µg antibody for 400µg-600µg extracts of whole cells

IF-P 1:200 - 1:800

IHC-P 1:200 - 1:800

mIHC 1:200 - 1:800

ELISA Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

367

Swiss Prot

P10275

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

KD; AIS; AR8; TFM; DHTR; SBMA; HYSP1; NR3C4; SMAX1; HUMARA; Androgen Receptor

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

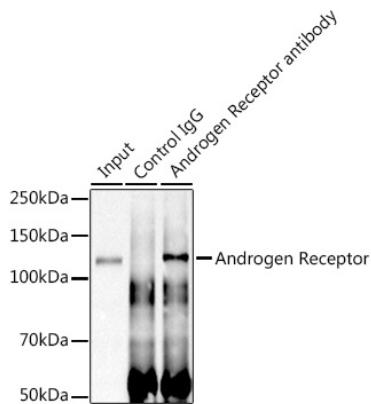
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

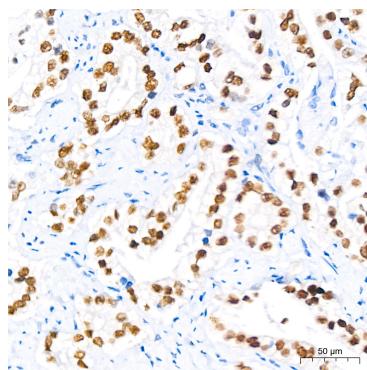
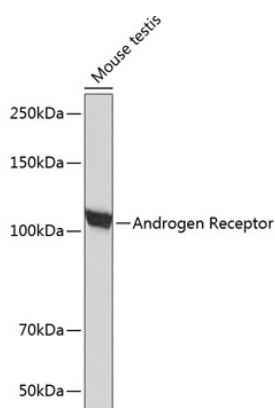
Contact

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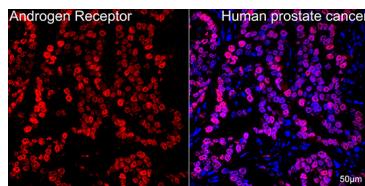
Validation Data



Immunoprecipitation analysis of 600 µg extracts of Mouse testis cells using 3 µg Androgen Receptor antibody (A19611). Western blot was performed from the immunoprecipitate using Androgen Receptor antibody (A19611) at a dilution of 1:1000.



Immunohistochemistry analysis of paraffin-embedded Human prostate cancer tissue using Androgen Receptor Rabbit mAb (A19611) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



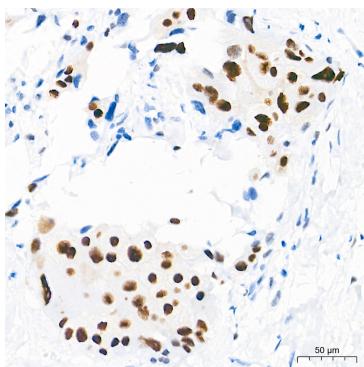
Confocal imaging of paraffin-embedded Human prostate cancer using Androgen Receptor Rabbit mAb (A19611, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x.

Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.

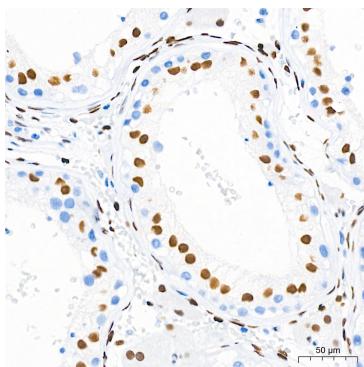


Immunohistochemistry analysis of paraffin-embedded Human fallopian tube tissue using Androgen Receptor Rabbit mAb (A19611) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

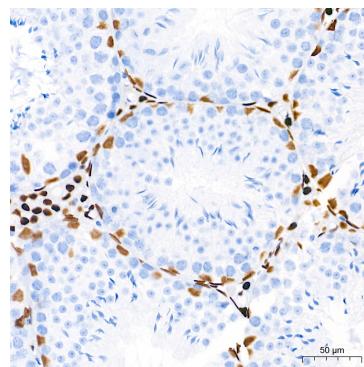
Validation Data



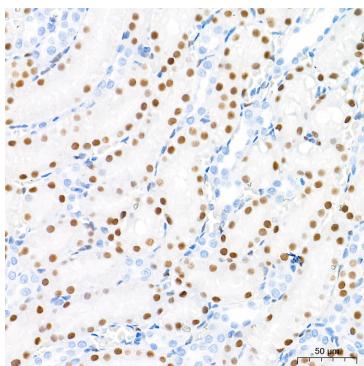
Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using Androgen Receptor Rabbit mAb (A19611) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



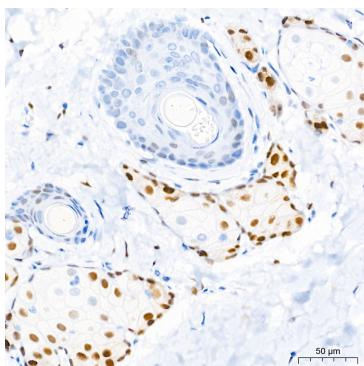
Immunohistochemistry analysis of paraffin-embedded Human testis tissue using Androgen Receptor Rabbit mAb (A19611) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



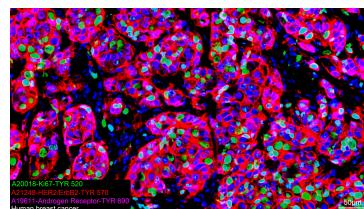
Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue using Androgen Receptor Rabbit mAb (A19611) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat kidney tissue using Androgen Receptor Rabbit mAb (A19611) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat skin tissue using Androgen Receptor Rabbit mAb (A19611) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



The multiplex IHC analysis on paraffin-embedded Human breast cancer tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : Ki67 Rabbit mAb (A20018, 1:500) with TSA-TYR-520 (Green), HER2/ErbB2 Rabbit mAb (A21248, 1:200) with TSA-TYR-570 (Red), and Androgen Receptor Rabbit mAb (A19611, 1:400) with TSA-TYR-690 (Magenta). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 20x objective lens.