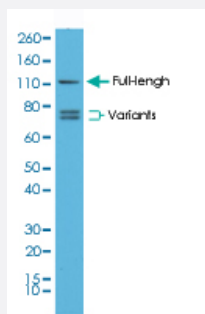


RecomAb™

AR monoclonal antibody, clone RM254

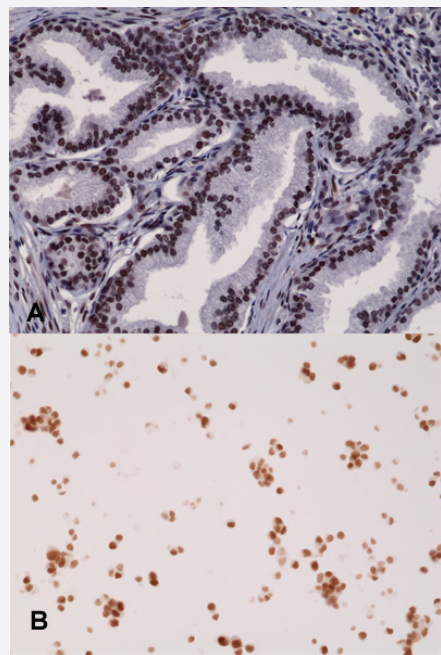
Catalog # MAB15132 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of 22RV1 whole cell lysates with AR monoclonal antibody, clone RM254 (Cat # MAB15132), showed full length AR and splice variants expressed in 22RV1 cells.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of (A) human prostate cancer and (B) 22RV1 cells with AR monoclonal antibody, clone RM254 (Cat # MAB15132) at a 1:2500 dilution.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against of human AR.
Antibody Species	Rabbit

Immunogen	Original antibody is raised against a synthetic peptide corresponding to N-terminus of human AR.
Sequence	N/A
Reactivity	Human
Specificity	This antibody reacts to full length androgen receptor and splice variants.
Form	Liquid
Purification	Protein A affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:1000-1:2500) Western Blot (1:100-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol, 1% BSA, 0.09% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — AR

Entrez GeneID	367
Protein Accession#	P10275
Gene Name	AR
Gene Alias	AIS, DHTR, HUMARA, KD, NR3C4, SBMA, SMAX1, TFM

Gene Description	androgen receptor
Omim ID	176807 300068 300633 313200 313700
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	OTTHUMP00000023450 OTTHUMP00000061928 dihydrotestosterone receptor

Pathway

- [Pathways in cancer](#)
- [Prostate cancer](#)

Disease

- [Abortion](#)
- [Acne Vulgaris](#)
- [Adenocarcinoma](#)
- [Adrenal Hyperplasia](#)
- [Alcoholism](#)
- [Alopecia](#)
- [Alzheimer disease](#)
- [Androgen-Insensitivity Syndrome](#)
- [Angina Pectoris](#)
- [Antisocial Personality Disorder](#)

- [Arteriosclerosis](#)
- [Arthritis](#)
- [Asperger Syndrome](#)
- [Atherosclerosis](#)
- [Attention Deficit Disorder with Hyperactivity](#)
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- [Bone Neoplasms](#)
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- [Fragile X syndrome](#)
- [Friedreich Ataxia](#)
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- [Gallstones](#)
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- [Gonadal Dysgenesis](#)
- [Gynecomastia](#)
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- [Hepatitis B](#)

- [Hepatitis C](#)
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- [Hyperandrogenism](#)
- [Hyperplasia](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Hypogonadism](#)
- [Hypospadias](#)
- [Infertility](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Klinefelter Syndrome](#)
- [Leiomyoma](#)
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- [Sexual Dysfunction](#)
- [Sexual Dysfunctions](#)
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- [Spinal Fractures](#)
- [Spinal muscular atrophy](#)
- [Spinocerebellar ataxia](#)

- [Spinocerebellar Ataxias](#)
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- [Substance-Related Disorders](#)
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- [Thinness](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Ureteral Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Urinary Calculi](#)
- [Uterine Neoplasms](#)
- [Virilism](#)
- [Weight Gain](#)
- [Weight Loss](#)