

AR polyclonal antibody

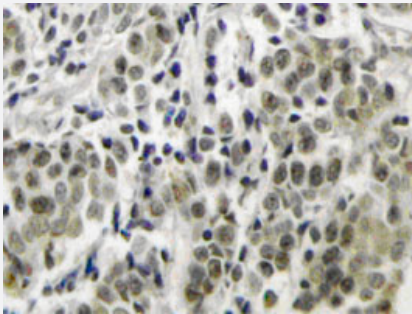
Catalog # PAB24795 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of 293 cell lysate with AR polyclonal antibody (Cat # PAB24795).



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

Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue using AR polyclonal antibody (Cat # PAB24795).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of AR.
Immunogen	A synthetic peptide corresponding to AR.
Host	Rabbit
Theoretical MW (kDa)	110
Reactivity	Human
Specificity	AR polyclonal antibody detects endogenous levels of AR protein.
Form	Liquid

Purification	Antigen affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage 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
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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- [Azoospermia](#)
- [Biliary Tract Neoplasms](#)
- [Bipolar Disorder](#)
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- [Bone Neoplasms](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
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- [Depressive Disorder](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)

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- [Diabetic Retinopathy](#)
- [Disease Progression](#)
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- [Edema](#)
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- [Endometriosis](#)
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- [Esophageal Neoplasms](#)
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- [Fragile X syndrome](#)
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- [Hepatitis C](#)
- [Hip Fractures](#)
- [Hirsutism](#)

- [Hyperandrogenism](#)
- [Hyperplasia](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Hypogonadism](#)
- [Hypospadias](#)
- [Infertility](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Klinefelter Syndrome](#)
- [Leiomyoma](#)
- [Libido](#)
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- [Lung Neoplasms](#)
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- [Oligospermia](#)
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- [Spinal Fractures](#)
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- [Tobacco Use Disorder](#)
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- [Urinary Bladder Neoplasms](#)
- [Urinary Calculi](#)
- [Uterine Neoplasms](#)
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- [Weight Loss](#)