

AR polyclonal antibody

Catalog # PAB12653 Size 100 ug

Applications



Dot Blot (Peptide)

Dot Blot : 1 ug peptide was blot onto NC membrane.

A : AR (pS210).

B : AR (Non-phospho).

Folowed were blotted at a 1 : 2000 dilution by :

1. Phospho-AR S210 polyclonal antibody (Cat # PAB12654).
2. AR polyclonal antibody (Cat # PAB12653).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of AR.
Immunogen	A synthetic peptide corresponding to residues surrounding S210 of human AR.
Host	Rabbit
Theoretical MW (kDa)	110
Reactivity	Human, Mouse, Rat
Specificity	This antibody recognizes ~110 KDa of human AR.
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (0.1-1 ug/mL) ELISA (0.01-0.1 ug/mL) Immunoprecipitation (2-5 ug/mL) Immunohistochemistry (2-10 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In TBS, pH 7.2 (BSA, 10% Proclin300)

Storage Instruction

Store at 4°C. For long term storage store at -20~-80°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunohistochemistry
- Immunoprecipitation
- Enzyme-linked Immunoabsorbent Assay
- Dot Blot (Peptide)

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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

Publication Reference

- [Androgen receptor gene knockout male mice exhibit impaired cardiac growth and exacerbation of angiotensin II-induced cardiac fibrosis.](#)

Ikeda Y, Aihara K, Sato T, Akaike M, Yoshizumi M, Suzaki Y, Izawa Y, Fujimura M, Hashizume S, Kato M, Yagi S, Tamaki T, Kawano H, Matsumoto T, Azuma H, Kato S, Matsumoto T.

The Journal of Biological Chemistry 2005 Aug; 280(33):29661.

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](#)
- [Autistic Disorder](#)
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- [Biliary Tract Neoplasms](#)
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- [Gonadal Dysgenesis](#)

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- [Hepatitis C](#)
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- [Infertility](#)
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- [Insulin Resistance](#)
- [Klinefelter Syndrome](#)
- [Leiomyoma](#)
- [Libido](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Lymphopenia](#)
- [Machado-Joseph Disease](#)
- [Male pattern baldness](#)
- [Memory](#)

- [Mental Disorders](#)
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