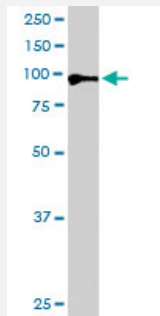


AR polyclonal antibody

Catalog # PAB6663

Size 100 ug

Applications



Western Blot (Tissue lysate)

AR polyclonal antibody (Cat # PAB6663) (0.3 ug/mL) staining of human brain lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description Goat polyclonal antibody raised against synthetic peptide of AR.

Immunogen A synthetic peptide corresponding to human AR.

Sequence EVQLGLGRVYRPPSC

Host Goat

Theoretical MW (kDa) 99.2

Reactivity Human

Form Liquid

Purification Antigen affinity purification

Concentration 0.5 mg/mL

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage
 ELISA (1:64000)
 Western Blot (0.3-2 ug/mL)
 The optimal working dilution should be determined by the end user.

Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% 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

- Western Blot (Tissue lysate)

AR polyclonal antibody (Cat # PAB6663) (0.3 ug/mL) staining of human brain lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — AR

Entrez GeneID	367
Protein Accession#	NP_000035
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

- [Cloning, structure and expression of a cDNA encoding the human androgen receptor.](#)

Trapman J, Klaassen P, Kuiper GG, van der Korput JA, Faber PW, van Rooij HC, Geurts van Kessel A, Voorhorst MM, Mulder E, Brinkmann AO.

Biochemical and Biophysical Research Communications 1988 May; 153(1):241.

Pathway

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

Disease

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- [Acne Vulgaris](#)
- [Adenocarcinoma](#)
- [Adrenal Hyperplasia](#)
- [Alcoholism](#)
- [Alopecia](#)
- [Alzheimer disease](#)
- [Androgen-Insensitivity Syndrome](#)
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- [Arteriosclerosis](#)
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- [Gonadal Dysgenesis](#)
- [Gynecomastia](#)
- [Head and Neck Neoplasms](#)
- [Heart Diseases](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
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- [Hyperandrogenism](#)
- [Hyperplasia](#)

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- [Thrombophilia](#)
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- [Urinary Bladder Neoplasms](#)
- [Urinary Calculi](#)
- [Uterine Neoplasms](#)
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- [Weight Gain](#)
- [Weight Loss](#)