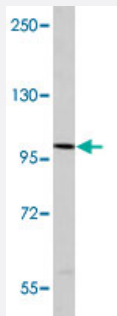


AR polyclonal antibody

Catalog # PAB1939

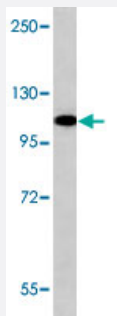
Size 400 uL

Applications



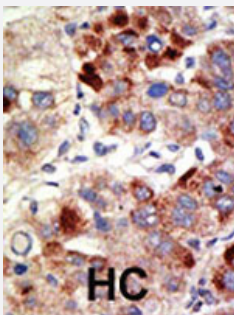
Western Blot (Tissue lysate)

Western blot analysis of mouse brain tissue lysate (35 ug/lane) with AR polyclonal antibody (Cat # PAB1939).



Western Blot (Cell lysate)

Western blot analysis of HeLa cell lysate (35 ug/lane) with AR polyclonal antibody (Cat # PAB1939).



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

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with AR polyclonal antibody (Cat # PAB1939), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of AR.

Immunogen

A synthetic peptide (conjugated with KLH) corresponding to human AR.

Sequence	HPHARIKLENPLD
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein A purification
Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% 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

- Western Blot (Tissue lysate)

Western blot analysis of mouse brain tissue lysate (35 ug/lane) with AR polyclonal antibody (Cat # PAB1939).

- Western Blot (Cell lysate)

Western blot analysis of HeLa cell lysate (35 ug/lane) with AR polyclonal antibody (Cat # PAB1939).

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

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with AR polyclonal antibody (Cat # PAB1939), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Gene Info — AR

Entrez GeneID	367
Protein Accession#	NP_000035:Q5JUN9
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

- [PIAS1 and PIASxalpha function as SUMO-E3 ligases toward androgen receptor and repress androgen receptor-dependent transcription.](#)
Nishida T, Yasuda H.
The Journal of Biological Chemistry 2002 Nov; 277(44):41311.
Application: IP, WB-Tr, Human, U2OS cells
- [Characterization of a novel receptor mutation A-->T at exon 4 in complete androgen insensitivity syndrome and a carrier sibling via bidirectional polymorphism sequence analysis.](#)
Sills ES, Sholes TE, Perloe M, Kaplan CR, Davis JG, Tucker MJ.
International Journal of Molecular Medicine 2002 Jan; 9(1):45.
- [Eight novel mutations of the androgen receptor gene in patients with androgen insensitivity syndrome.](#)
Chavez B, Mendez JP, Ulloa-Aguirre A, Larrea F, Vilchis F.
Journal of Human Genetics 2001 Oct; 46(10):560.

Pathway

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- [Alzheimer disease](#)
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- [Urinary Bladder Neoplasms](#)
- [Urinary Calculi](#)
- [Uterine Neoplasms](#)
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- [Weight Gain](#)

- [Weight Loss](#)