

AR Antibody

Catalog No: #32572

Package Size: #32572-1 50ul #32572-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

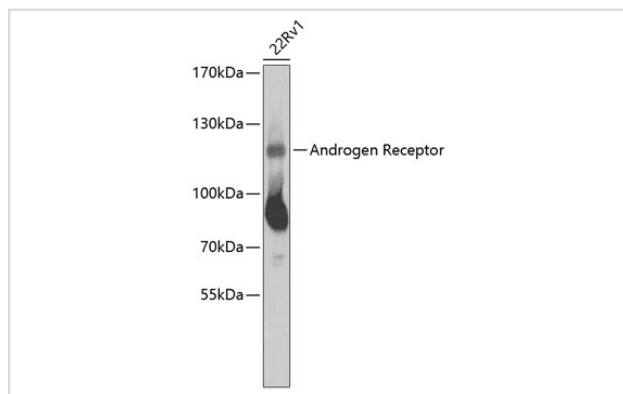
Description

Product Name	AR Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB
Species Reactivity	Human;Mouse
Specificity	The antibody detects endogenous level of total AR protein.
Immunogen Type	Peptide
Immunogen Description	A synthetic peptide of human Androgen Receptor (NP_000035.2).
Conjugates	Unconjugated
Target Name	AR
Other Names	AIS;AR8;DHTR;HUMARA;HYSP1;KD;NR3C4;SBMA;SMAX1;TFM;AR
Accession No.	Uniprot:P10275GeneID:367
SDS-PAGE MW	110kDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

Application Details

WB □ 1:500 - 1:2000

Images



Western blot analysis of extracts of 22RV1 cells, using Androgen Receptor Antibody.

Background

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 from the normal 9-34 repeats to the pathogenic 38-62 repeats 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.

Published Papers

et al., Androgen receptor-induced molecules and androgen contribute synergistically to male-predominance of hepatocellular carcinoma. In iScience on 2024 Jul 15 by Jiayi Zhao, Letian Fang, et al.. PMID:39156638, , (2024)

[PMID:39156638](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.