

Datasheet for 600-401-J95

Androgen Receptor phospho Y267 Antibody

Overview

Description:	Anti-Androgen Receptor pY267 (RABBIT) Antibody - 600-401-J95
Item No.:	600-401-J95
Size:	50 µg
Applications:	WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Androgen Receptor detects human Androgen receptor. The androgen receptor (AR) is an ~110 kDa androgen-dependent transcription factor that is a member of the steroid/nuclear receptor gene superfamily. The AR signaling pathway plays a key role in development and function of male reproductive organs, including the prostate and epididymis. AR also plays a role in nonreproductive organs, such as muscle, hair follicles, and brain. Abnormalities in the AR signaling pathway have been linked to a number of diseases, including prostate cancer, Kennedy's disease and male infertility. The PI3K/Akt signaling pathway plays an important role in regulating AR activity through phosphorylation of AR at Ser213/210 and Ser791/790. Growth factors or cytokines may induce phosphorylation of AR through the PI3K/Akt pathway. Activation of the PI3K/AKT pathway is thought to have a survival role in prostate cancer by protecting cells from apoptosis. Anti-Androgen Receptor Antibody is ideal for investigators involved in neuroscience, cytokines and growth factors, and transcription factors.
Synonyms:	rabbit Anti-Androgen receptor pY267, Dihydrotestosterone receptor, Nuclear receptor subfamily 3 group C member 4, AR, DHTR, NR3C4
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	AR
Reactivity:	Human

PTM Specificity:	Phosphorylation
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-Androgen Receptor pY267 affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to the internal region of human ANDR protein.
Purity/Specificity:	Anti-Androgen Receptor pY267 was affinity purified from monospecific antiserum by immunoaffinity chromatography. A BLAST analysis was used to suggest cross-reactivity with human and chimpanzee based on 100% sequence homology. Cross-reactivity with Androgen Receptor pY267 from other sources has not been determined.
Relevant Links:	<ul style="list-style-type: none">• UniProtKB - P10275

Application Details

Suggested Applications:	WB (Based on references)
Application Note:	Anti-Androgen Receptor antibody is useful for ELISA, Immunohistochemistry, and Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~99kDa corresponding to the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1: 10,000
WB:	1ug/ml

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.1 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	None
Stabilizer:	30% Glycerol

Shipping & Handling

Shipping Condition:	Dry Ice
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Storage Condition: Store AR Antibody at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

References

- Ma L et al. Kindlin-2 promotes Src-mediated tyrosine phosphorylation of androgen receptor and contributes to breast cancer progression. *Cell Death Dis.* (2022)

Disclaimer

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