

Datasheet for 600-401-W93

Androgen Receptor phospho S94 Antibody**Overview**

Description:	Anti-Androgen Receptor pS94 (RABBIT) Antibody - 600-401-W93
Item No.:	600-401-W93
Size:	100 µL
Applications:	WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	The androgen receptor (AR) is a DNA-binding transcription factor that regulates genes critical for the development and maintenance of the male sexual phenotype. Defects in androgen receptor have been shown to play a role in prostate cancer, and inhibition of AR activity through modulation of signal transduction pathways may delay prostate cancer progression. Multiple phosphorylation sites have been identified on the androgen receptor that affect cross-talk between growth factor signaling and androgen in prostate development and cancer. One of these sites, at Ser94, appears constitutively phosphorylated and exhibits no response to treatments with stimulating hormone. The site at Ser94 is unique among the AR phosphorylation sites in that it does not achieve a maximal level of phosphorylation between translation and the initial round of nuclear import, having a strong bias for androgen-independent phosphorylation in the cytoplasm. Androgen Receptor pS94 Antibody is ideal for researchers interested in cancer research.
Synonyms:	Androgen receptor pS94, 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-Phospho-Ser94 Androgen Receptor Antibody was produced in rabbits by repeated immunizations with a synthetic phospho-peptide corresponding to amino acid residues surrounding the phosphorylated Ser94 of human AR conjugated to KLH.
Purity/Specificity:	Anti-Phospho-Ser94 Androgen Receptor Antibody was prepared from monospecific antiserum by immunoaffinity chromatography using phospho peptide coupled to agarose beads followed by solid phase adsorption(s) against non-phospho peptide and non-specific peptide to remove any unwanted reactivities. This antibody is specific for phosphorylated Androgen Receptor. Reactivity against Androgen Receptor occurs from human sources. However, reactivity is also expected against non-human primates.
Relevant Links:	• UniProtKB - P10275 • GeneID - 367 • NCBI - NP_001011645

Application Details

Tested Applications:	WB
Application Note:	Anti-Phospho-Ser94 Androgen Receptor Antibody is tested for Western blots. Expect a band at approximately ~110 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
WB:	1:1000

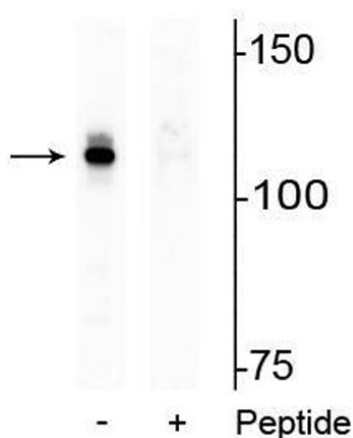
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	Sufficient for 10 mini blots (total final volume 100 ml at 1:1000 dilution)
Buffer:	0.01 M HEPES, 0.15 M Sodium Chloride, pH 7.5
Preservative:	None
Stabilizer:	0.1 mg/ml Bovine Serum Albumin (BSA) - IgG and Protease free, 50% (v/v) Glycerol

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at -20° C prior to opening in undiluted aliquots. 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. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western blot of Anti-Androgen Receptor pS94 antibody.
 HeLa lysate showing specific immunolabeling of the ~110 kDa AR protein phosphorylated at Ser94 in the first lane (-). Phosphospecificity is shown in the second lane (+) where the immunolabeling is blocked by the phosphopeptide used as antigen but not by the corresponding non-phosphopeptide (not shown).

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.