

Datasheet for ABIN6971389

## anti-Androgen Receptor antibody (N-Term)



[Go to Product page](#)

### 3 Images

#### Overview

Quantity:	100 µL
Target:	Androgen Receptor (AR)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Androgen Receptor antibody is un-conjugated
Application:	Western Blotting (WB), Chromatin Immunoprecipitation (ChIP), ChIP DNA-Sequencing (ChIP-seq)

#### Product Details

Immunogen:	This Androgen Receptor antibody was raised against a peptide in the N-terminal region of human Androgen receptor.
Isotype:	IgG
Characteristics:	Androgen Receptor (AR, NR3C4) is a nuclear receptor that facilitates signaling of testosterone and other androgenic hormones in the cytoplasm and translocates into the nucleus upon hormone binding. AR serves as a DNA binding activator of transcription of hormone responsive genes. There are two forms of the Androgen Receptor, the AR-A form, lacking the N-terminal 187 amino acids and the full length AR-B form. Androgen Receptor is involved in the development of both primary and secondary male sexual characteristics and abnormal expression of AR is linked to prostate cancer. Androgen Receptor antibody (pAb) was raised in a Rabbit host. It has been validated for use in Chromatin Immunoprecipitation, ChIP-Seq and

## Product Details

Western blot, it has been shown to react with Human and Mouse samples.

Purification: Protein A Chromatography

## Target Details

Target: Androgen Receptor (AR)

Alternative Name: Androgen Receptor ([AR Products](#))

Molecular Weight: 110 kDa

NCBI Accession: [NP\\_000035](#)

Pathways: [Nuclear Receptor Transcription Pathway](#), [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Steroid Hormone Mediated Signaling Pathway](#), [Regulation of Intracellular Steroid Hormone Receptor Signaling](#), [Nuclear Hormone Receptor Binding](#), [Chromatin Binding](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

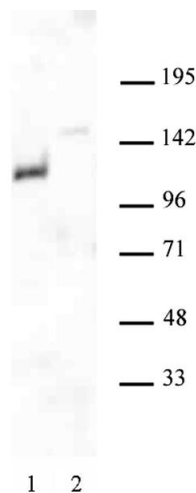
Buffer: PBS pH 7.5 containing 30 % glycerol and 0.035 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20°C for up to 2 years. Keep all reagents on ice when not in storage.



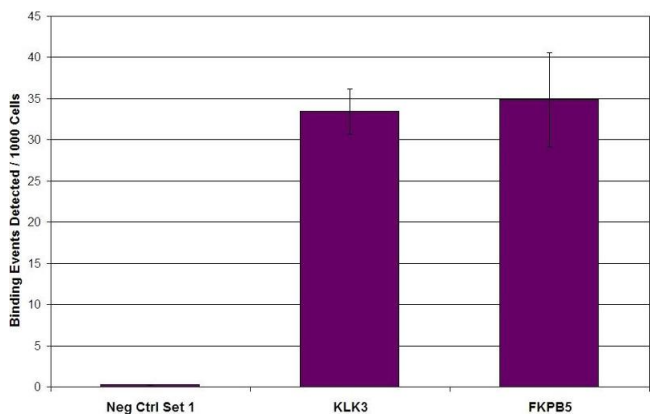
Western Blotting

**Image 1.** Androgen Receptor antibody (pAb) tested by Western blot. Nuclear extract (20 µg) of LnCaP cells probed with Androgen Receptor antibody (pAb) (2 µg/mL).



ChIP DNA-Sequencing

**Image 2.** Androgen Receptor antibody (pAb) tested by ChIP-Seq. ChIP was performed using the ChIP-IT High Sensitivity Kit with chromatin from a human prostate cancer cell line (3 million cells). ChIP DNA was sequenced on the Illumina GAI and 22 million sequence tags were mapped to identify Androgen Receptor binding sites. The image shows hundreds of strong binding sites dispersed across the right arm of human chromosome 16.



Chromatin Immunoprecipitation

**Image 3.** Androgen Receptor antibody (pAb) tested by ChIP. Chromatin immunoprecipitation (ChIP) was performed using the ChIP-IT High Sensitivity Kit with 30 µg of VCAP60 cell chromatin and 10 µg of Androgen receptor antibody. ChIP DNA was used in qPCR with the negative control primer pairs or gene-specific primer pairs as indicated. Data are presented as Binding Events Detected per 1000 Cells using Epigenetic Services normalization scheme which accounts for primer efficiency and the amount of chromatin used in the ChIP reaction.