

Rabbit anti-Human, Mouse Androgen Receptor Polyclonal Antibody | anti-AR antibody

Androgen Receptor antibody (pAb)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA59819	Rabbit	Human, Mouse	Western Blot, Chromatin Immunoprecipitation, Immunoprecipitation, Chromatin Immunoprecipitation, Immunoprecipitation

PRODUCT SYNONYMS

Androgen Receptor; Polyclonal Antibody; Androgen Receptor antibody (pAb); AR; KD; AIS; TFM; DHTR; SBMA; HYSP1; NR3C4; SMAX1; HUMARA; anti-AR antibody

PRODUCT SPECIFICATIONS

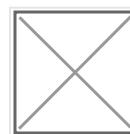
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Protein A Chromatography
Form/Format	PBS pH7.5 containing 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
Concentration	1ug/ul (varies by lot)
Applicable Applications for anti-AR antibody	WB (Western Blot), ChIP (Chromatin immunoprecipitation), ChIP (Chromatin immunoprecipitation)
Immunogen	This Androgen Receptor antibody was raised against a peptide in the N-terminal region of human Androgen receptor.
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul

IMAGES



WB (Western Blot)

Androgen Receptor antibody (pAb) tested by Western blot. Nuclear extract (20 ug) of LnCaP cells probed with Androgen Receptor antibody (pAb) (2 ug/ml).



ChIP (Chromatin Immunoprecipitation)

Androgen Receptor antibody (pAb) tested by ChIP. Chromatin immunoprecipitation (ChIP) was performed using the ChIP-IT High Sensitivity Kit with 30 ug of VCAP60 cell chromatin and 10 ug 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.



ChIP (Chromatin Immunoprecipitation)

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.

ADDITIONAL INFORMATION

Related Product Information for anti-AR antibody	<p>Short Description: Our Androgen Receptor antibody (pAb) was raised in a Rabbit host. It has been validated for use in Chromatin Immunoprecipitation, ChIP-Seq and Western blot; it has been shown to react with Human and Mouse samples.</p> <p>Background: 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.</p>
Product Categories/Family for anti-AR antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	21322252
NCBI GeneID	367
NCBI Accession #	NP_000035 ; AB_2793341
NCBI GenBank Nucleotide #	NM_000044
UniProt Accession #	P10275 ; Q9UD95 ; A2RUN2 ; B1AKD7
Molecular Weight	44,643 Da
NCBI Official Full Name	androgen receptor isoform 1
NCBI Official Synonym Full Names	androgen receptor
NCBI Official Symbol	AR
NCBI Official Synonym Symbols	KD; AIS; TFM; DHTR; SBMA; HYSP1; NR3C4; SMAX1; HUMARA
NCBI Protein Information	androgen receptor; androgen nuclear receptor variant 2; dihydrotestosterone receptor; nuclear receptor subfamily 3 group C member 4
UniProt Protein Name	Androgen receptor
UniProt Gene Name	AR
UniProt Synonym Gene Names	DHTR; NR3C4
UniProt Entry Name	ANDR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.