

# AR (Acetyl Lys633) Polyclonal Antibody

Cat No: HR1AP9731

For research use only

## Overview

Product Name	AR (Acetyl Lys633) Polyclonal Antibody
Source	Rabbit
Applications	WB,ELISA
Species Reactivity	Human:K633,Mouse:K613,Rat:K616
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	1 mg/ml
Observed band	100kDa
GeneID?Human?	AR DHTR NR3C4
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	Androgen receptor (Dihydrotestosterone receptor) (Nuclear receptor subfamily 3 group C member 4)
Background	<p>androgen receptor(AR) Homo sapiens 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 isoform</p>