

AR (Acetyl Lys633) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP14274
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthetic Acetyl peptide from human protein at AA range: 633
Mol wt	N/A
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	Androgen receptor
Synonyms	Androgen receptor ;Dihydrotestosterone receptor;Nuclear receptor subfamily 3 group C member 4; Androgen receptor; Dihydrotestosterone receptor; Nuclear receptor subfamily 3 group C member 4

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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

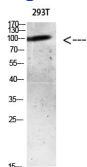
Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 10000 - 1: 20000

Not yet tested in other applications.

Images



Western blot analysis of mouse-lung lysate, antibody was diluted at 500. Secondary antibody was diluted at 1:20000

Storage

-20°C for 1 year