

Product datasheet for TA371092

Androgen Receptor (AR) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Recommended Dilution: WB: 200-1000

WB positive control: LOVO cell lysate

Reactivity: Human
Host: Rabbit
Isotype: IgG

Clonality: Polyclonal

Immunogen: Synthetic peptide of human AR

Formulation: pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Concentration: lot specific

Purification: Antigen affinity purification

Conjugation: Unconjugated Storage: Store at -20°C.

Stability: 1 year Predicted Protein Size: 99 kDa

Gene Name: androgen receptor

Database Link: Entrez Gene 367 Human

P10275

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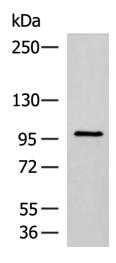
Background:

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 (SBMA, also known as Kennedy's disease). Mutations in this gene are also associated with complete androgen insensitivity (CAIS). Alternative splicing results in multiple transcript variants encoding different isoforms.

Synonyms:

AIS; DHTR; HUMARA; HYSP1; KD; NR3C4; SBMA; SMAX1; TFM

Product images:



Gel: 6%SDS-PAGE
Lysate: 40 µg
Lane: LOVO cell lysate
Primary antibody: TA371092 (AR Antibody) at
dilution 1/200
Secondary antibody: Goat anti rabbit IgG at
1/5000 dilution
Exposure time: 1 minute