

Product datasheet for **TA302952**

Androgen Receptor (AR) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1:64,000. WB: 0.3-2ug/ml. IHC: 2-3ug/ml
Reactivity:	Human (Expected from sequence similarity: Mouse, Rat, Dog, Pig, Cow)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence EVQLGLGRVYPRPPSC, from the N Terminus of the protein sequence according to NP_000035.
Formulation:	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	androgen receptor
Database Link:	NP_000035 Entrez Gene 11835 Mouse Entrez Gene 24208 Rat Entrez Gene 403588 Dog 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 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 isoforms have been described. [provided by RefSeq]

Synonyms:

AIS; AR8; DHTR; HUMARA; HYPSP1; KD; NR3C4; SBMA; SMAX1; TFM

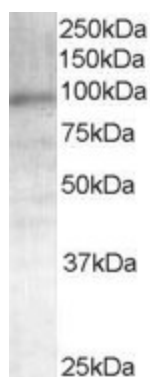
Protein Families:

Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

Protein Pathways:

Oocyte meiosis, Pathways in cancer, Prostate cancer

Product images:



TA302952 (0.3ug/ml) staining of Human Brain lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



TA302952 (2ug/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.