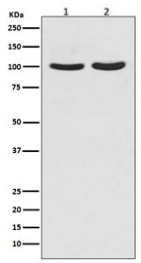
Androgen Receptor Antibody [clone HD-1] (RQ5317)

Catalog No.	Formulation	Size
RQ5317	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Bulk quote request

Availability	1-2 weeks
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	HD-1
Purity	Affinity purified
UniProt	P10275
Applications	Western blot: 1:500-1:2000
Limitations	This Androgen Receptor antibody is available for research use only.



Western blot testing of human 1) T-47D and 2) LNCaP cell lysate with Androgen Receptor antibody. Predicted molecular weight ~99 kDa.

Description

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. [RefSeq]

For additional information on androgen receptor biology and complementary antibody validation, visit our Androgen Receptor Antibody CDF-1 / Steroid Hormone Receptor Antibody page.

Application Notes

Optimal dilution of the Androgen Receptor antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to human Androgen Receptor was used as the immunogen for the Androgen Receptor antibody.

Storage

Store the Androgen Receptor antibody at -20oC.

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