Human AR Knockdown Cell Line (WB-Validated)

Catalog #: C61348

Aliases

AR; Androgen Receptor; NR3C4; Dihydrotestosterone Receptor; HUMARA; SMAX1; DHTR; AIS; Nuclear Receptor Subfamily 3 Group C Member 4; SBMA; Spinal And Bulbar Muscular Atrophy; Testicular Feminization; Kennedy Disease; HYSP1; AR8; TFM; KD

Background

Gene Name: AR
NCBI Gene Entry: 367

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human AR Knockdown Cell Line (Wb-Validated)
2. Wild-type cell line

Parental Cell Line

Human cell line supplied by the client

Validation Methods

RT-qPCR, Western blotting (WB)

Shipping

Shipped on Dry Ice.

Instructions For Use

This knockdown cell line should be paired with wild-type cell line for use.

Note: This product is for research use only.

Validation Data

SUPPORT
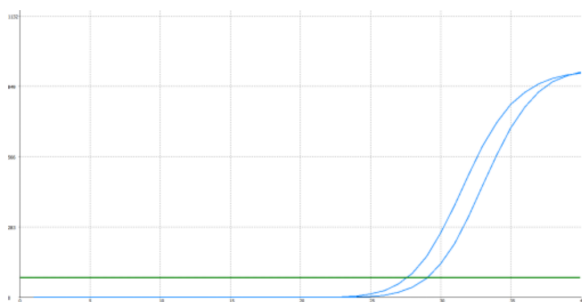SUPPORT@GENUINBIOTECH.COM
TEL: +1-540-855-7041

ORDERS
SALES@GENUINBIOTECH.COM
FAX:+1-540-855-7041

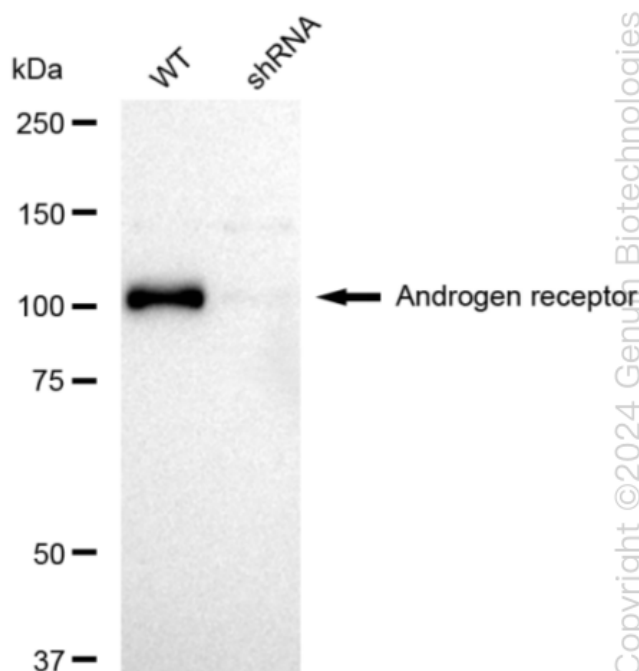**WWW.GENUINBIOTECH.COM**

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Genotype	Ct Value
Wild-Type	27.23
Knock-Down	28.66
ΔCt (Ct$_{KD}$-Ct$_{WT}$)	1.43
% mRNA Reduction	↓ 63%

RT-qPCR analysis. HeLa cells were infected with AR-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. ΔCt (CtKD-CtWT) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: (1-1/2ΔCt) x 100%.
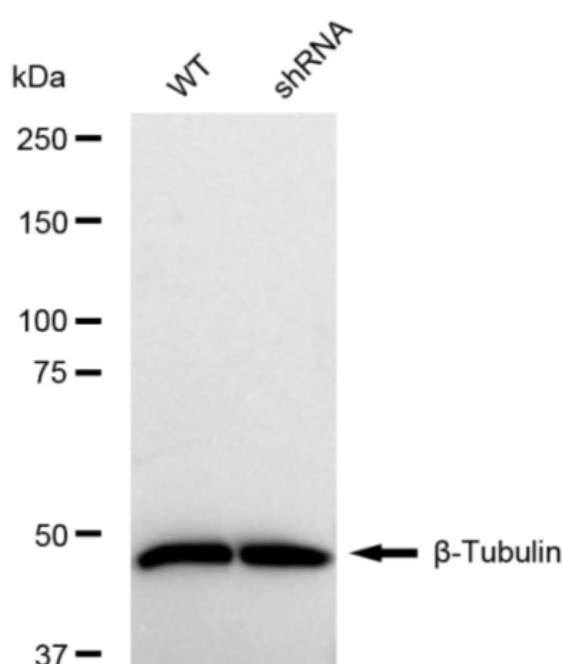
Western blotting analysis. AR protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. β-Tubulin served as a loading control. The blots were incubated with primary antibodies (Cat#61348, 1:5,000) against AR and β-Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000). Images were developed using FeQ™ ECL Substrate Kit (Cat#226).

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