Human RXRA Knockdown Cell Line (WB-Validated)

Catalog #: C61514

Aliases

RXRA; Retinoid X Receptor Alpha; NR2B1; Nuclear Receptor Subfamily 2 Group B Member 1; Retinoic Acid Receptor RXR-Alpha; RXR-Alpha; RXRalpha; Retinoid X Nuclear Receptor Alpha; Retinoid X Receptor, Alpha; RXR-ALPHA; RXRALPHA

Background

Gene Name: RXRA
NCBI Gene Entry: 6256

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human RXRA 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.

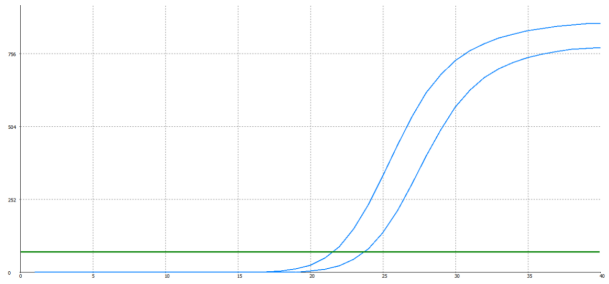
Instructions For Use

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

Note: This product is for research use only.

Validation Data

Human RXRA Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	21.3
Knock-Down	23.29
ΔCt (Ct_{KD}-Ct_{WT})	1.99
% mRNA Reduction	⬇ 75%

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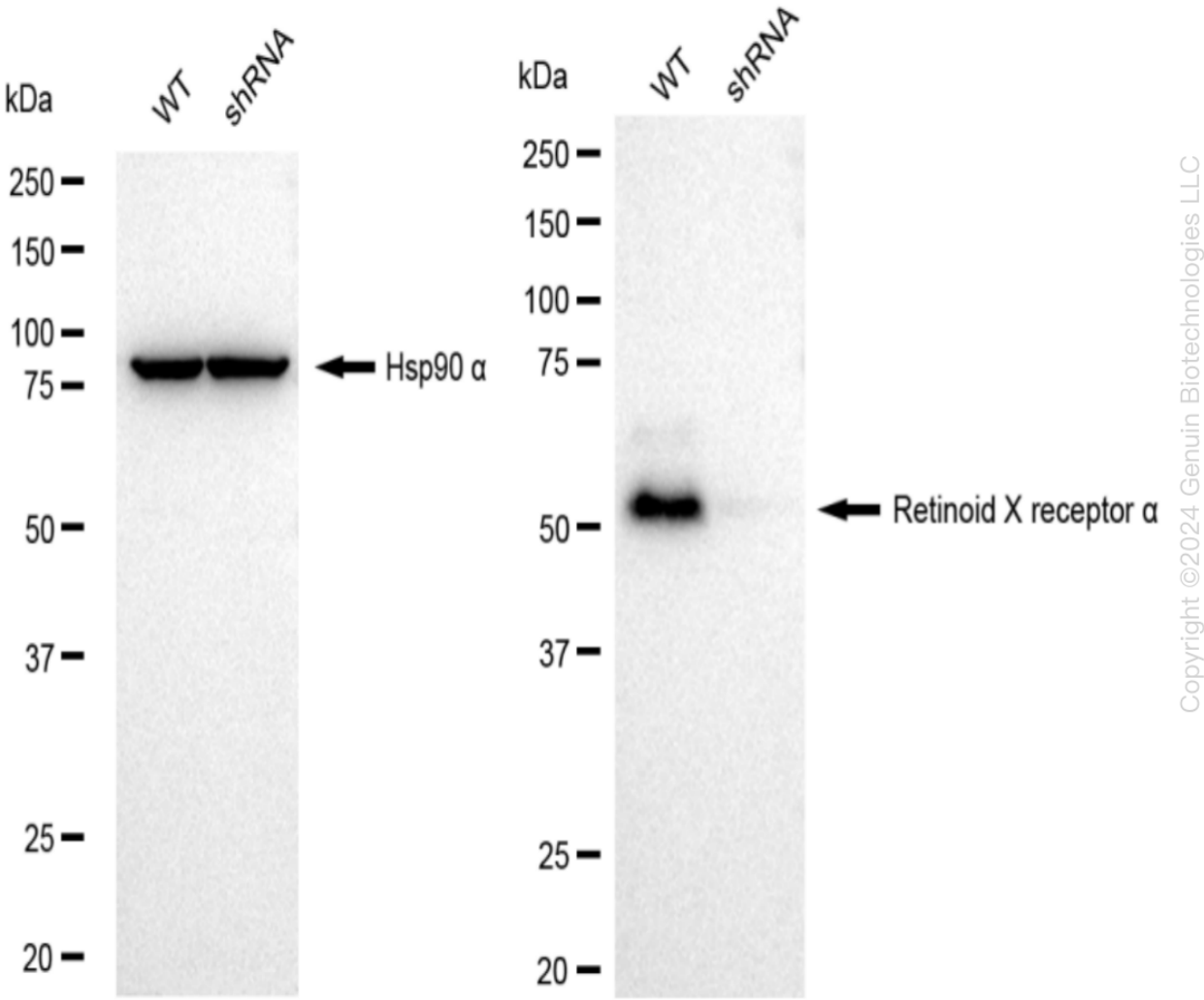
RT-qPCR analysis. HeLa cells were infected with RXRA-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. ΔCt (CtKD-CtWT) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: (1-1/2ΔCt) x 100%.



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Western blotting analysis. RXRA protein expression in wild-type (WT) and shRNA knockdown

(KD) HeLa cells was detected using Western blotting. Hsp90 α served as a loading control. The blots were incubated with primary antibodies (Cat#61514, 1:5,000) against RXRA and Hsp90 α , 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).