Human DYNLT1 Knockdown Cell Line (WB-Validated)

Catalog #: C65226

Aliases

DYNLT1; Dynein Light Chain Tctex-Type 1; TCTEX1; Tctex-1; TCTEL1; T-Complex-Associated-Testis-Expressed 1-Like 1; T-Complex Testis-Specific Protein 1 Homolog; Protein CW-1; TCTEX-1; CW-1

Background

Gene Name: DYNLT1
NCBI Gene Entry: 6993

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human DYNLT1 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.

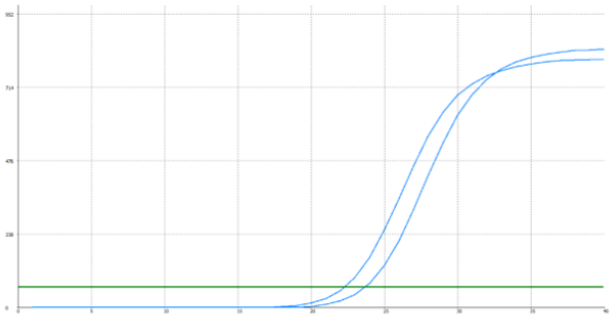
Instructions For Use

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

Note: This product is for research use only.

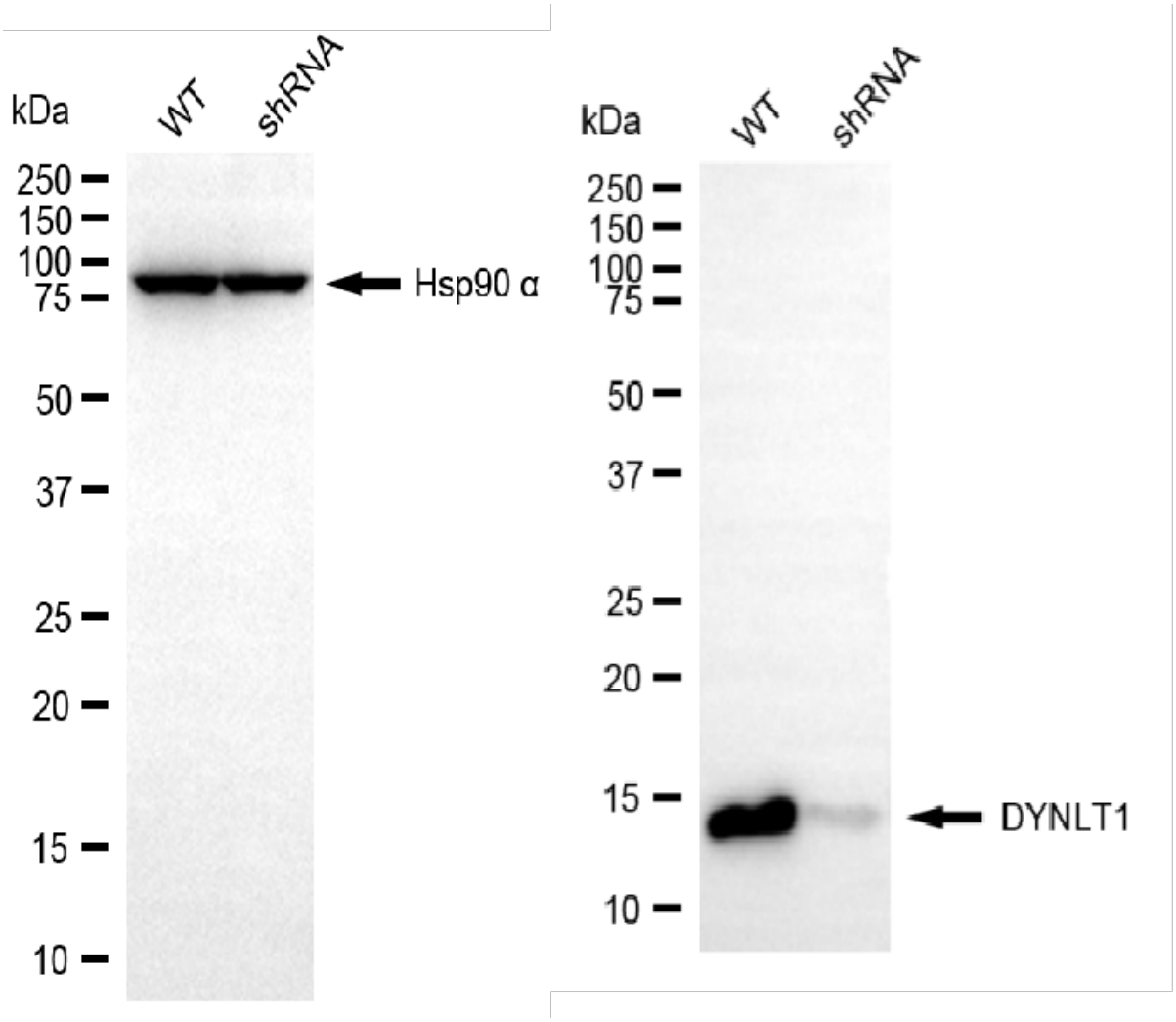
Validation Data

Human DYNLT1 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	22.06
Knock-Down	23.47
ΔCt (Ct_{KD}-Ct_{WT})	1.41
% mRNA Reduction	⬇ 62%

RT-qPCR analysis. HeLa cells were infected with DYNLT1-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. DYNLT1 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 against DYNLT1 and Hsp90 α, respectively,

followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.