

Human TUBA4A Knockdown Cell Line (WB-Validated)



Catalog #: C69761

Aliases

TUBA4A; Tubulin Alpha 4a; H2-ALPHA; TUBA1; Tubulin, Alpha 1 (Testis Specific); Tubulin Alpha-4A Chain; Tubulin Alpha-1 Chain; Tubulin H2-Alpha; FLJ30169; Testis-Specific Alpha-Tubulin; Tubulin, Alpha 1; Alpha-Tubulin 1; EC 3.6.5.-; ALS22

Background

Gene Name: TUBA4A

NCBI Gene Entry: [7277](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human TUBA4A 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

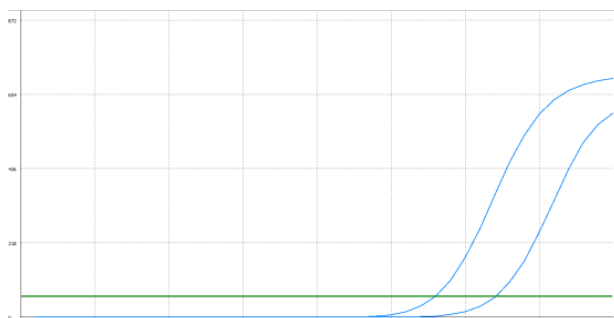
SUPPORT

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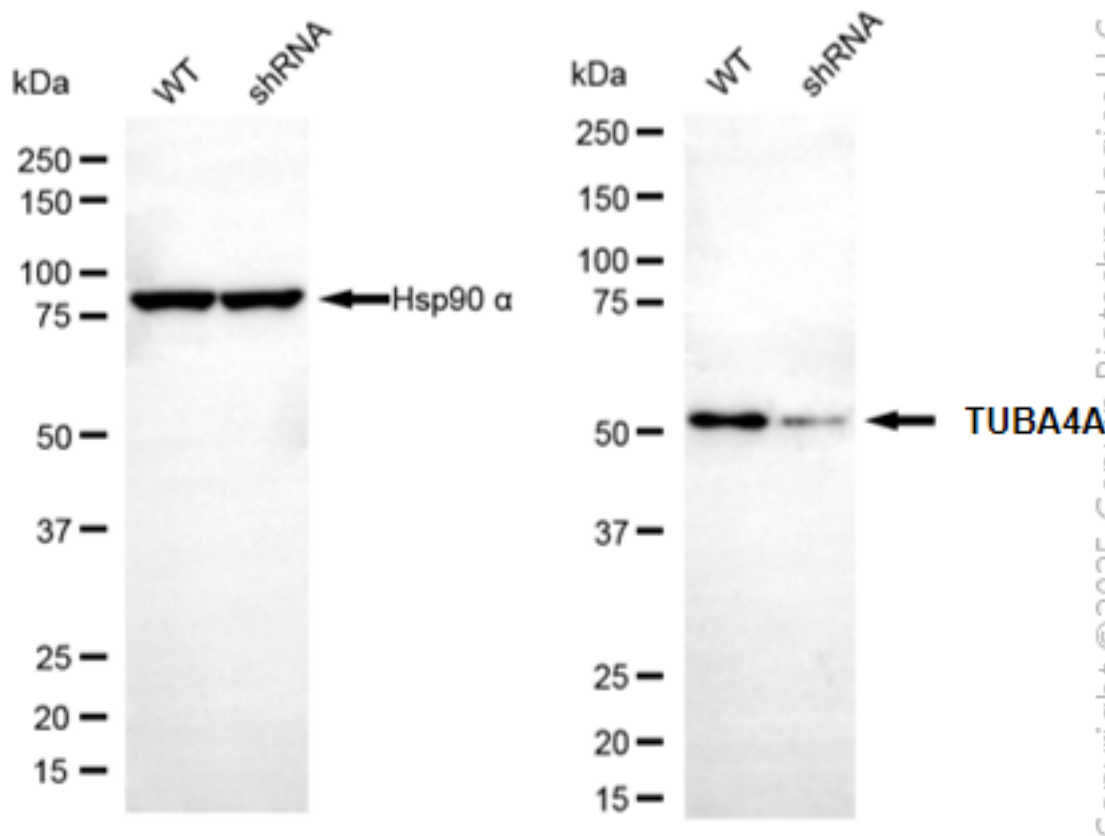
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Genotype	Ct Value
Wild-Type	27.61
Knock-Down	31.42
Δ Ct (CtKD-CtWT)	3.81
% mRNA Reduction	93%

RT-qPCR analysis. HT-1080 cells were infected with TUBA4A-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. Δ Ct (CtKD-CtWT) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: $(1-1/2^{\Delta\text{Ct}}) \times 100\%$.



Western blotting analysis. TUBA4A protein expression in wild-type (WT) and shRNA knockdown (KD) HT-1080 cells was detected using Western blotting. Hsp90 α served as a loading control. The blots were incubated with primary antibodies against TUBA4A and Hsp90 α , respectively,

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

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