

Human TFAP2C Knockdown Cell Line (WB-Validated)



Catalog #: C65311

Aliases

TFAP2C; Transcription Factor AP-2 Gamma; AP2-GAMMA; TFAP2G; HAP-2g; ERF1; Activating Enhancer-Binding Protein 2 Gamma; Estrogen Receptor Factor 1; Transcription Factor ERF-1; Transcription Factor AP-2 Gamma (Activating Enhancer-Binding Protein 2 Gamma); AP2-Gamma

Background

Gene Name: TFAP2C
NCBI Gene Entry: [7022](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human TFAP2C 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

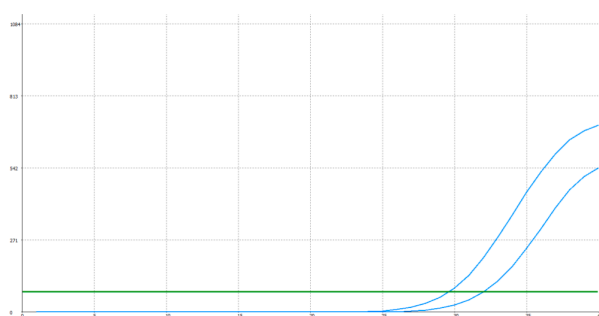
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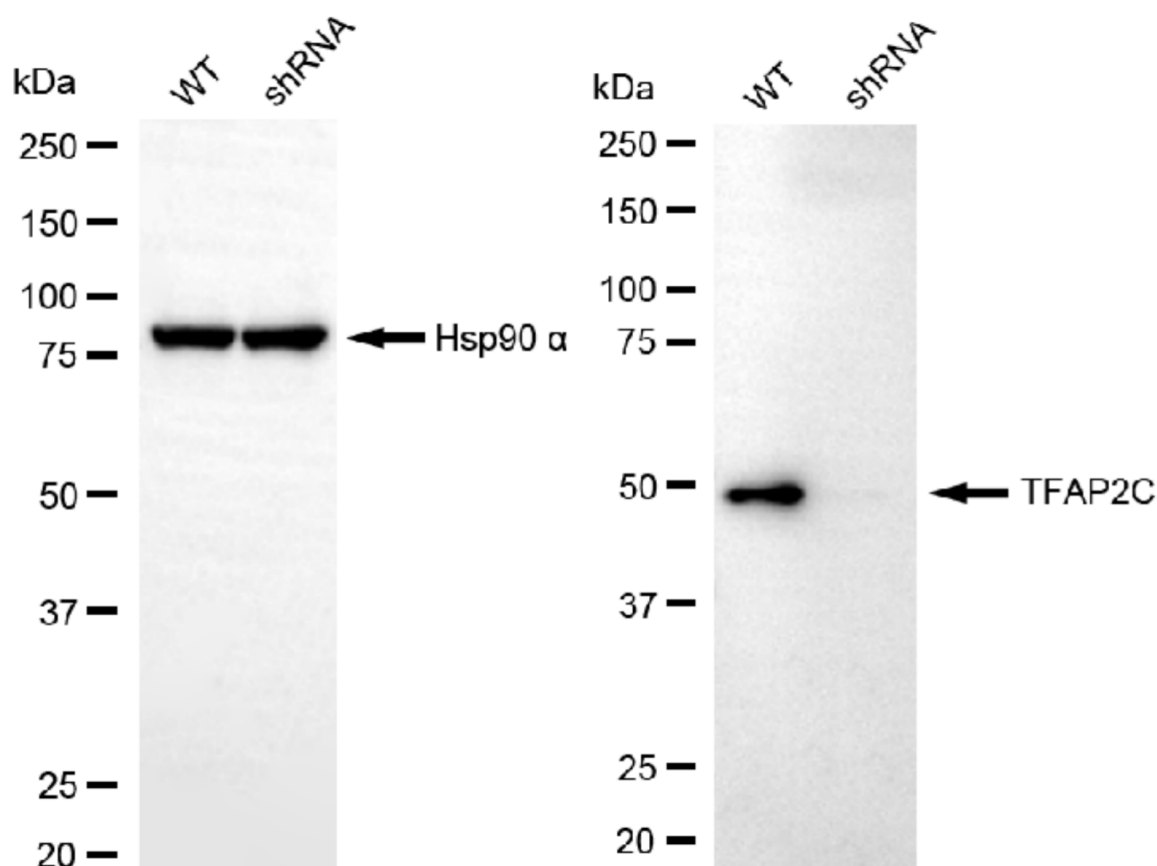
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Genotype	Ct Value
Wild-Type	28.74
Knock-Down	30.60
$\Delta Ct (Ct_{KD}-Ct_{WT})$	1.86
% mRNA Reduction	↓ 72%

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RT-qPCR analysis. HeLa cells were infected with TFAP2C-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. $\Delta Ct (Ct_{KD}-Ct_{WT})$ was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: $(1-1/2^{\Delta Ct}) \times 100\%$.



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Western blotting analysis. TFAP2C 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 TFAP2C and Hsp90 α , respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.