

Human DDB2 Knockdown Cell Line (WB-Validated)



Catalog #: C61292

Aliases

DDB2; Damage Specific DNA Binding Protein 2; UV-Damaged DNA-Binding Protein 2; DDB P48 Subunit; UV-DDB2; DDBB; XPE; Xeroderma Pigmentosum Group E Protein; DNA Damage-Binding Protein 2; FLJ34321; Damage-Specific DNA Binding Protein 2 (48kD); Damage-Specific DNA Binding Protein 2, 48kDa; Damage-Specific DNA-Binding Protein 2; UV-DDB 2; DDBb

Background

Gene Name: DDB2

NCBI Gene Entry: [1643](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human DDB2 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
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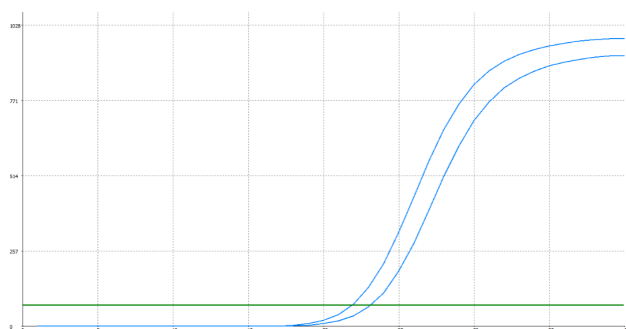
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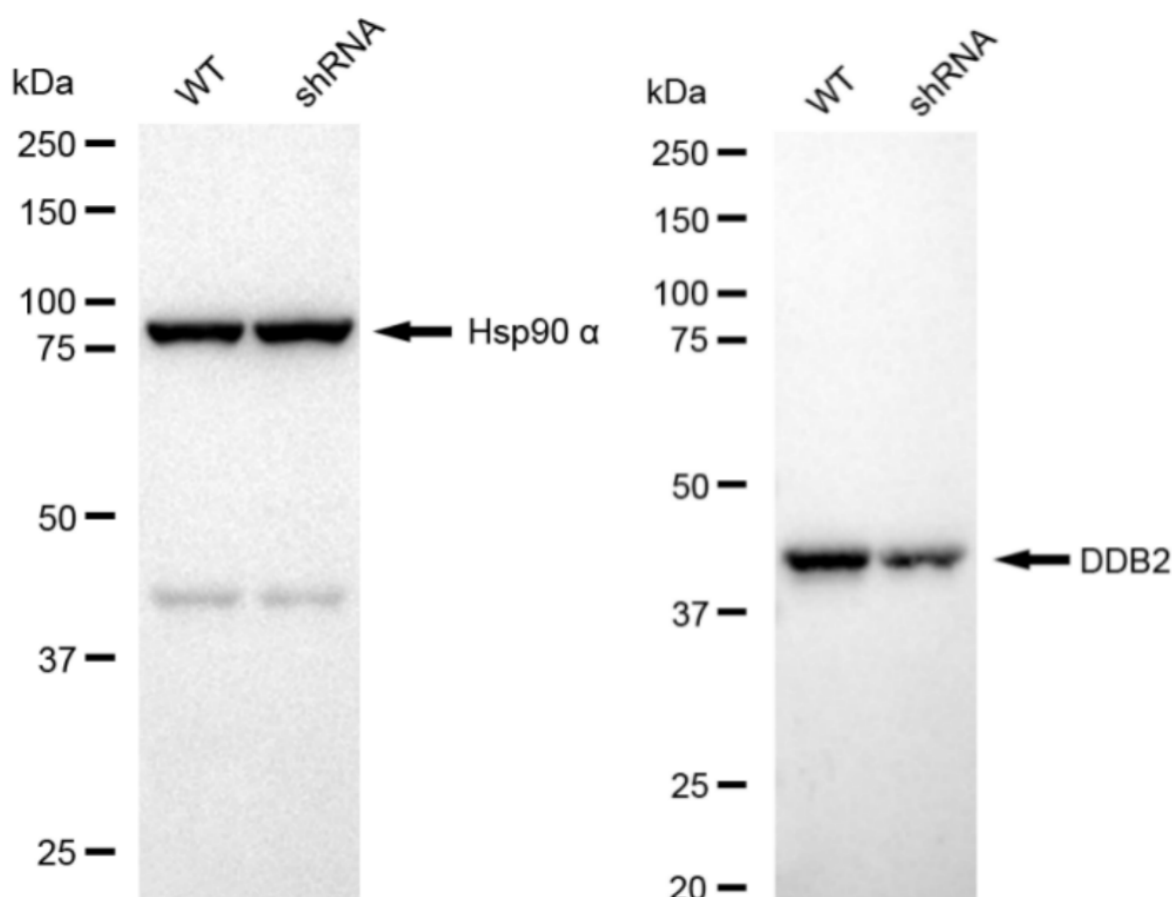
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| Genotype | Ct Value |
|-------------------------------------|----------|
| Wild-Type | 21.82 |
| Knock-Down | 23.00 |
| ΔCt ($Ct_{KD} - Ct_{WT}$) | 1.18 |
| % mRNA Reduction | ↓ 56% |

RT-qPCR analysis. HT-1080 cells were infected with DDB2-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. ΔCt ($Ct_{KD} - Ct_{WT}$) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: $(1 - 1/2^{\Delta Ct}) \times 100\%$.



Western blotting analysis. DDB2 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 DDB2 and Hsp90 α , respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.

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