

Human PCNA Knockdown Cell Line (WB-Validated)



Catalog #: C6151

Aliases

PCNA; ProlifeRating Cell Nuclear Antigen; Cyclin; DNA Polymerase Delta Auxiliary Protein; ATLD2

Background

Gene Name: PCNA

NCBI Gene Entry: [5111](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human PCNA 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

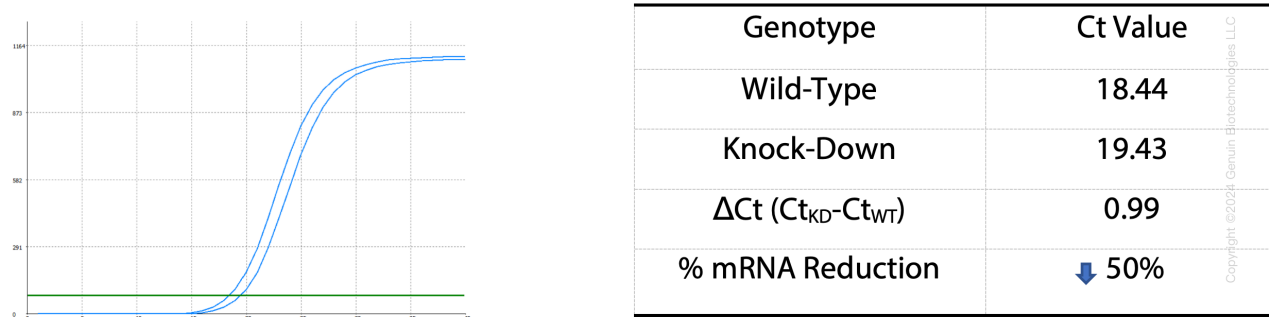
SUPPORT@GENUINBIOTECH.COM
TEL: +1-540-855-7041

ORDERS

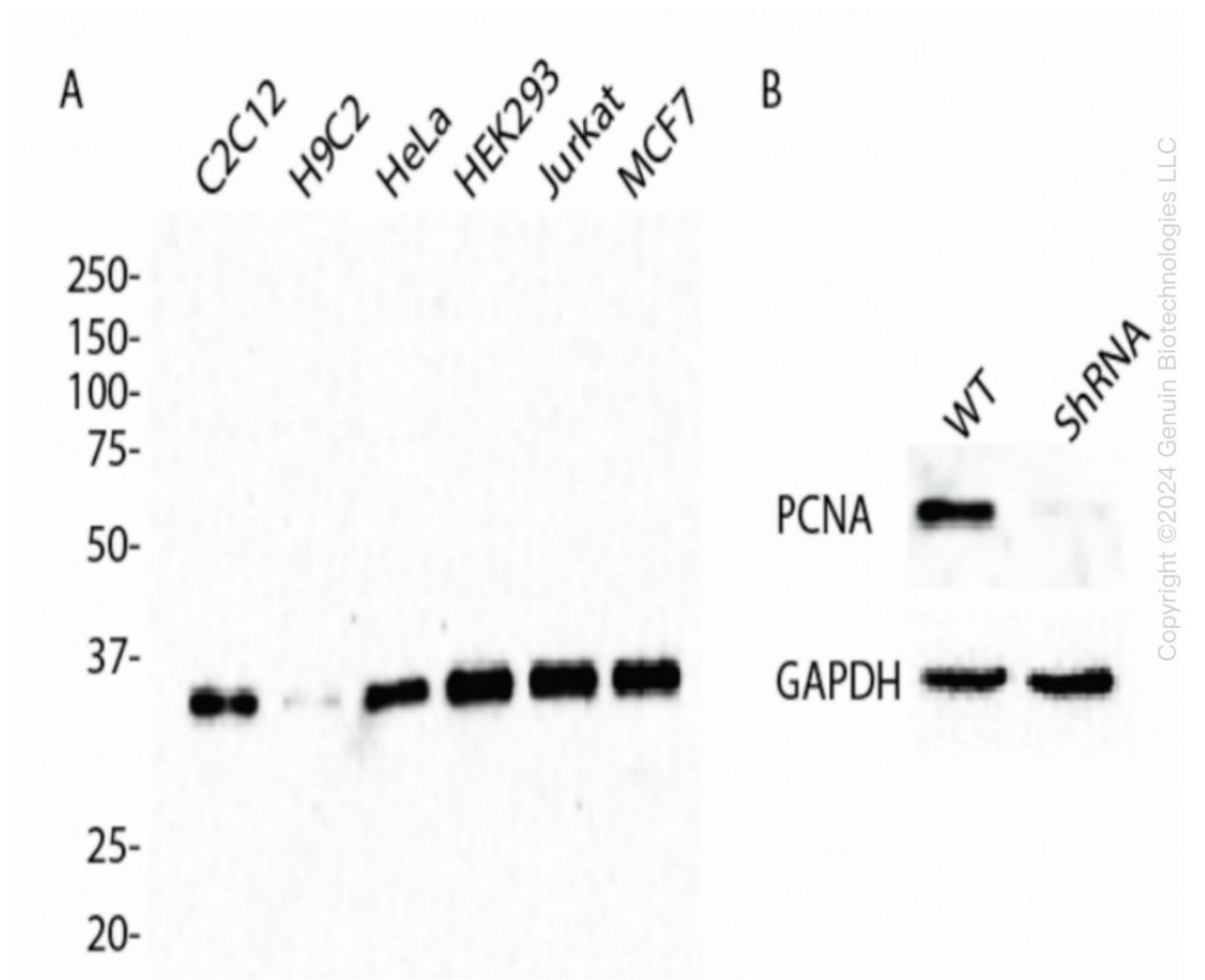
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RT-qPCR analysis. HeLa cells were infected with PCNA-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. ΔCt ($Ct_{KD}-Ct_{WT}$) was used to calculate mRNA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



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Western blotting analysis. PCNA protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. GAPDH served as a loading control. The blots were incubated with primary antibodies (Cat#62826, 1:5,000) against PCNA and GAPDH, 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).