Human RAD17 Knockdown Cell Line (WB-Validated)

Catalog #: C65000

Aliases

RAD17; RAD17 Checkpoint Clamp Loader Component; RAD17Sp; Rad24; CCYC; Cell Cycle Checkpoint Protein RAD17; R24L; Cell Cycle Checkpoint Protein (RAD17); RAD17 Homolog (S. Pombe); RF-C Activator 1 Homolog; RF-C/Activator 1 Homolog; RAD1 (S. Pombe) Homolog; Rad17-Like Protein; RAD17 Homolog; RAD1 Homolog; HRAD17; HRad17

Background

Gene Name: RAD17
NCBI Gene Entry: 5884

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human RAD17 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.

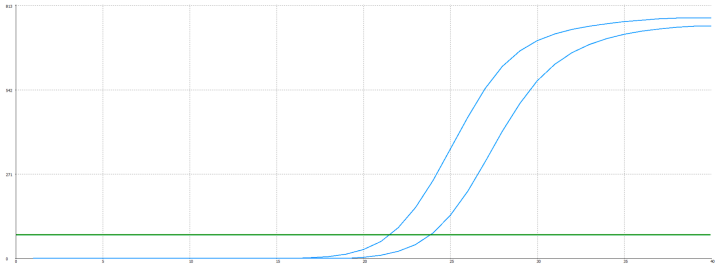
Instructions For Use

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 RAD17 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	21.00
Knock-Down	23.23
ΔCt (Ct_{KD}-Ct_{WT})	2.23
% mRNA Reduction	⬇ 79%

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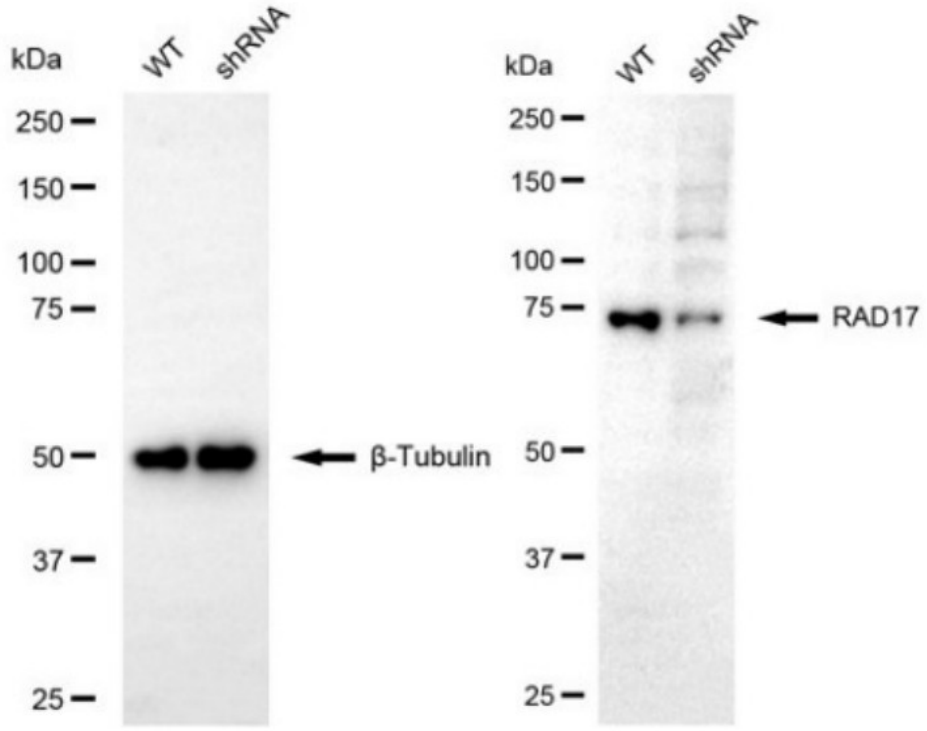
RT-qPCR analysis. HeLa cells were infected with RAD17-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. ΔCt (CtKD-CtWT) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: (1-1/2ΔCt) x 100%.



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Western blotting analysis. RAD17 protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. β-Tubulin served as a loading control. The blots were incubated with primary antibodies against RAD17 and β-Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.