

Human RAP1B Knockdown Cell Line (WB-Validated)



Catalog #: C65217

Aliases

RAP1B; RAP1B, Member Of RAS Oncogene Family; K-REV; RAL1B; GTP-Binding Protein Smg P21B; Ras-Related Protein Rap-1b; DKFZp586H0723; Ras Family Small GTP Binding Protein RAP1B; RAS-Related Protein RAP1B; Small GTP Binding Protein; EC 3.6.5.2; THC11

Background

Gene Name: RAP1B
NCBI Gene Entry: [5908](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human RAP1B 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

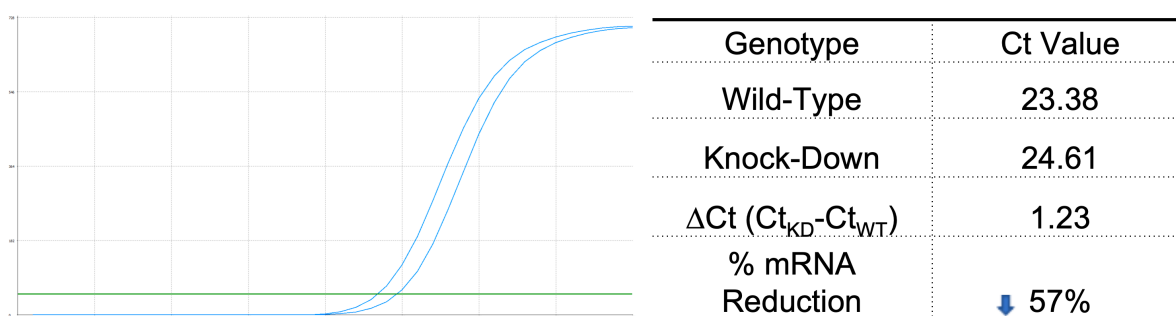
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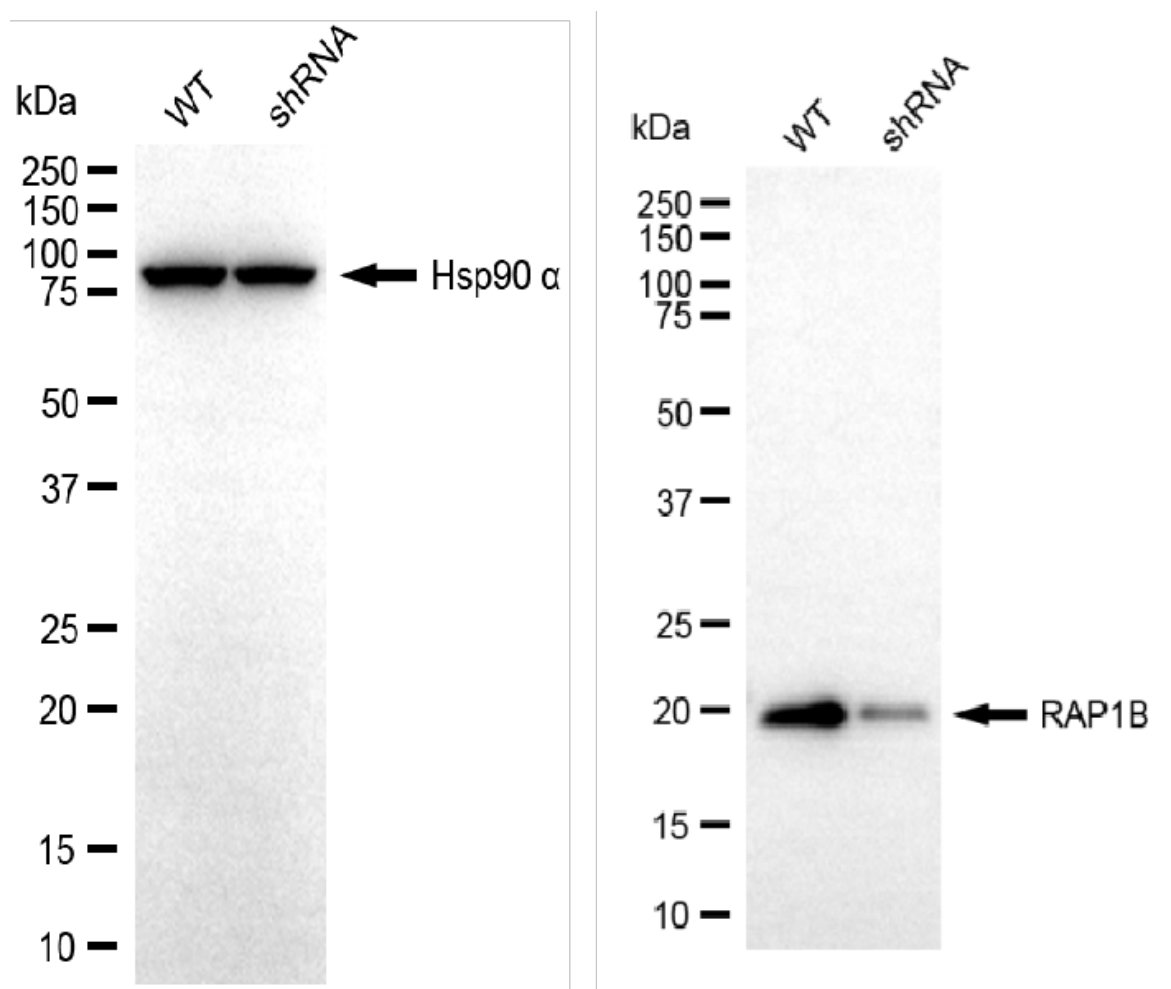
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RT-qPCR analysis. HT-1080 cells were infected with RAP1B-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. $\Delta Ct (Ct_{KD} - Ct_{WT})$ was used to 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. RAP1B 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 RAP1B and Hsp90 α , respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed

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using FeQ™ ECL Substrate Kit.

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