

Human RAB5A Knockdown Cell Line (WB-Validated)



Catalog #: C63207

Aliases

RAB5A; RAB5A, Member RAS Oncogene Family; RAB5; RAS-Associated Protein RAB5A; Ras-Related Protein Rab-5A; EC 3.6.5.2

Background

Gene Name: RAB5A

NCBI Gene Entry: [5868](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human RAB5A 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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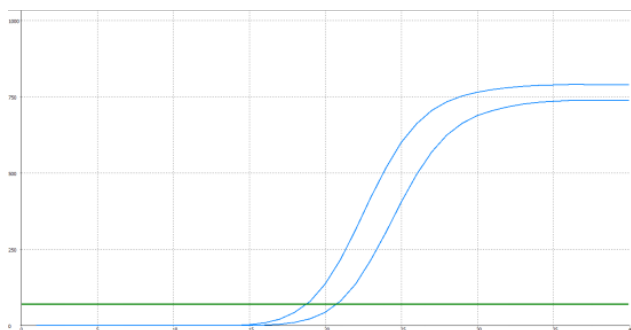
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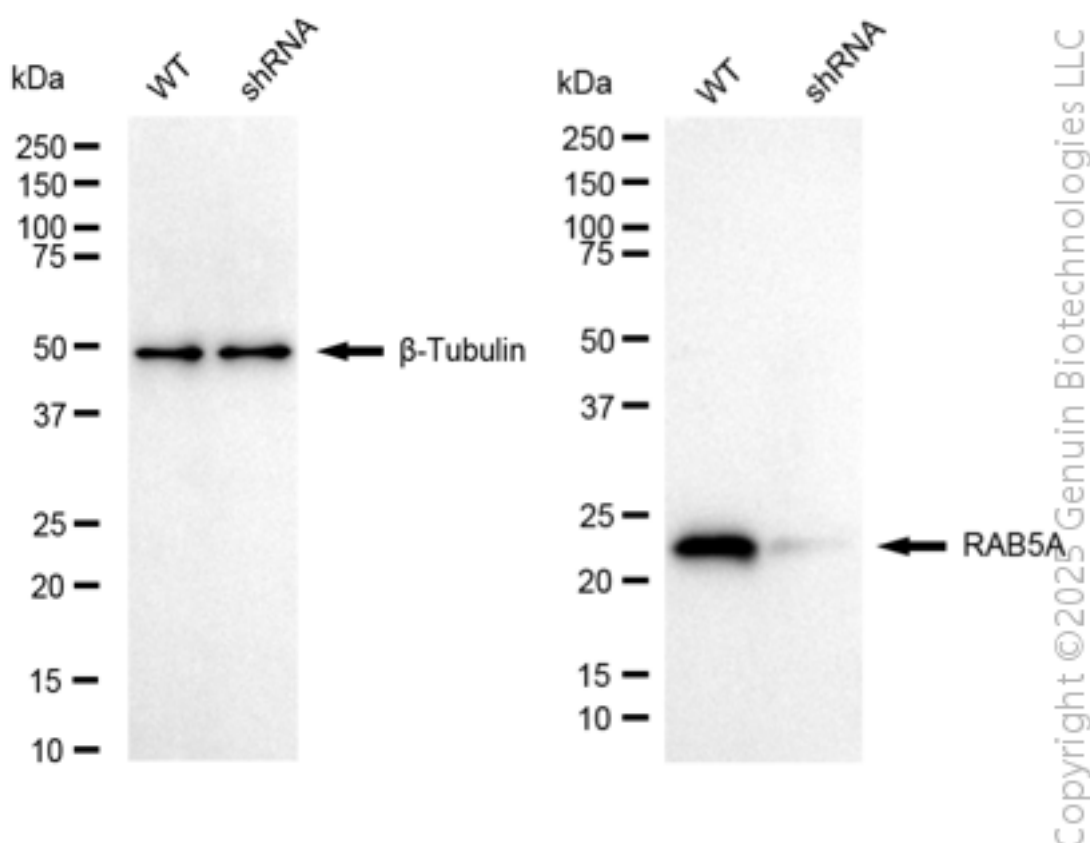
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Genotype	Ct Value
Wild-Type	18.35
Knock-Down	20.22
Δ Ct (CtKD-CtWT)	1.87
% mRNA Reduction	73%

RT-qPCR analysis. HeLa cells were infected with RAB5A-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. Δ Ct (CtKD-CtWT) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: $(1 - 1/2^{\Delta\text{Ct}}) \times 100\%$.



Western blotting analysis. RAB5A 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

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blots were incubated with primary antibodies against RAB5A and β -Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.

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