

Human RANBP9 Knockdown Cell Line (WB-Validated)



Catalog #: C61696

Aliases

RANBP9; RAN Binding Protein 9; RANBPM; Ran Binding Protein In The Microtubule Organizing Center; Ran-Binding Protein 9; Ran-Binding Protein M; RanBPM; RanBP7; BPM-L; BPM90; Novel Centrosomal Protein RanBPM; Ran Binding Protein, Centrosomal; RanBP9

Background

Gene Name: RANBP9

NCBI Gene Entry: [10048](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human RANBP9 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

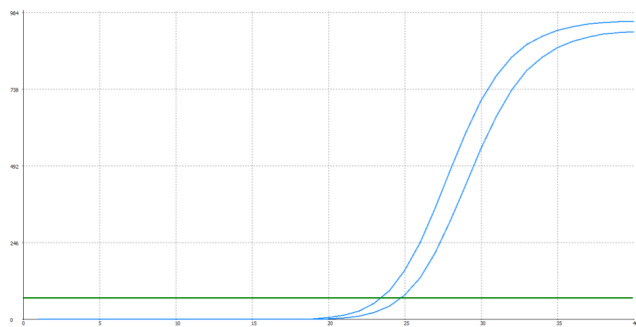
SUPPORT

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ORDERS

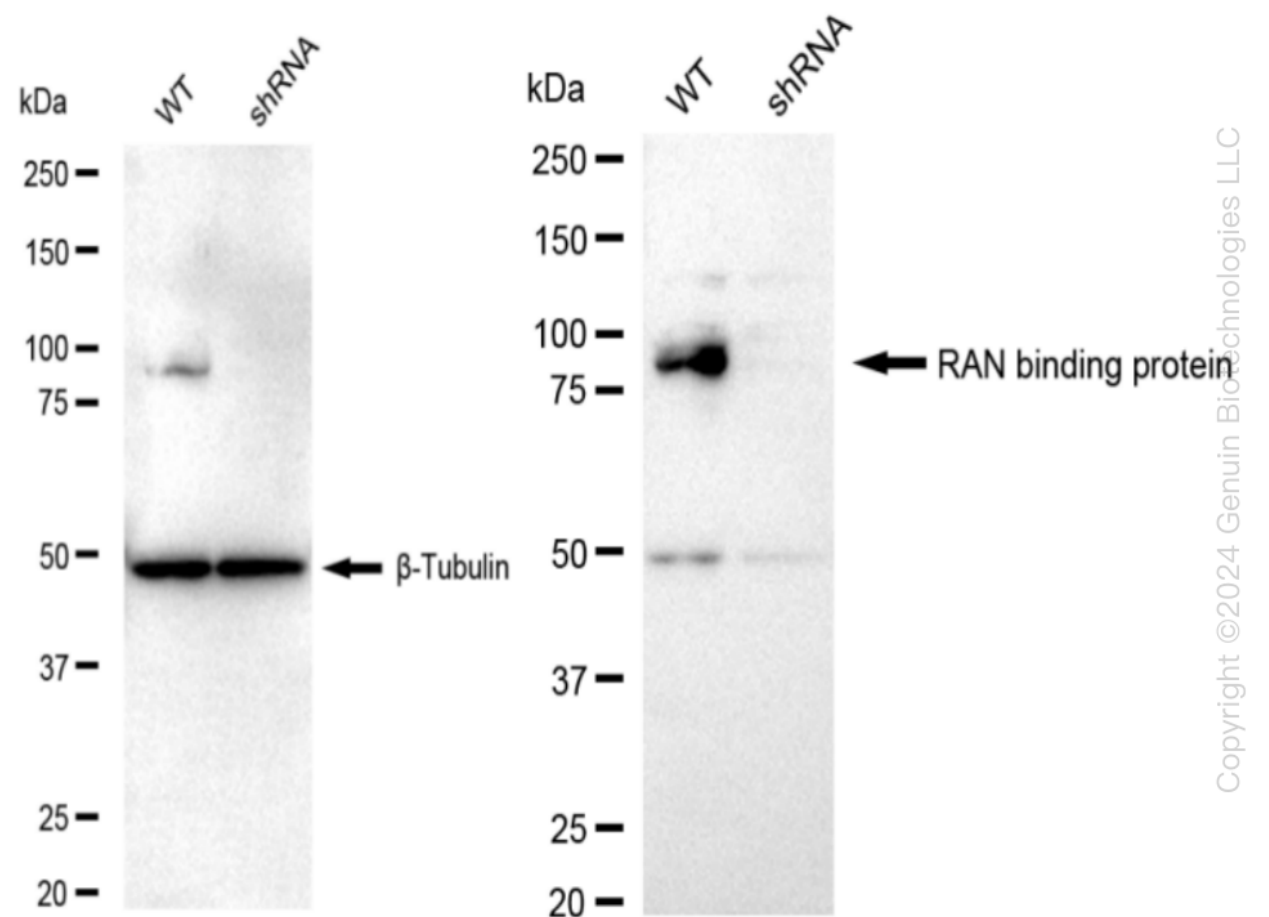
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Genotype	Ct Value
Wild-Type	23.39
Knock-Down	24.65
$\Delta Ct (Ct_{KD}-Ct_{WT})$	1.26
% mRNA Reduction	↓ 58%

RT-qPCR analysis. HeLa cells were infected with RANBP9-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: $(1-1/2^{\Delta Ct}) \times 100\%$.



Western blotting analysis. RANBP9 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 (Cat#61696, 1:5,000) against RANBP9 and β -

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PAGE 3

Tubulin, 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).

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