

# Human RBBP7 Knockdown Cell Line (WB-Validated)



**Catalog #: C65038**

## Aliases

RBBP7; RB Binding Protein 7, Chromatin Remodeling Factor; Histone Acetyltransferase Type B Subunit 2; Retinoblastoma-Binding Protein P46; Retinoblastoma-Binding Protein 7; RbAp46; G1/S Transition Control Protein-Binding Protein RbAp46; Nucleosome-Remodeling Factor Subunit RBAP46; Retinoblastoma-Binding Protein RbAp46; Histone-Binding Protein RBBP7; RBBP-7; Retinoblastoma Binding Protein 7; RB Binding Protein 7; RBAP46

## Background

Gene Name: RBBP7  
NCBI Gene Entry: [5931](#)

## Storage

Store at liquid nitrogen for 1 year.

## Kit Components

1. Human RBBP7 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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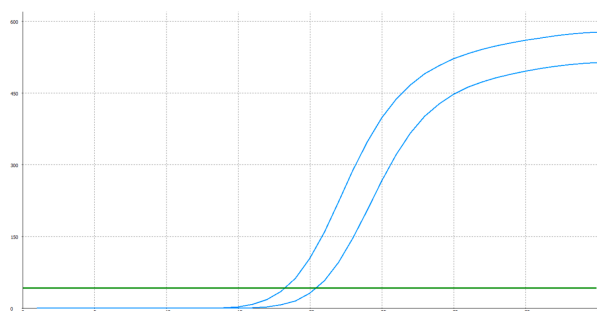
### SUPPORT

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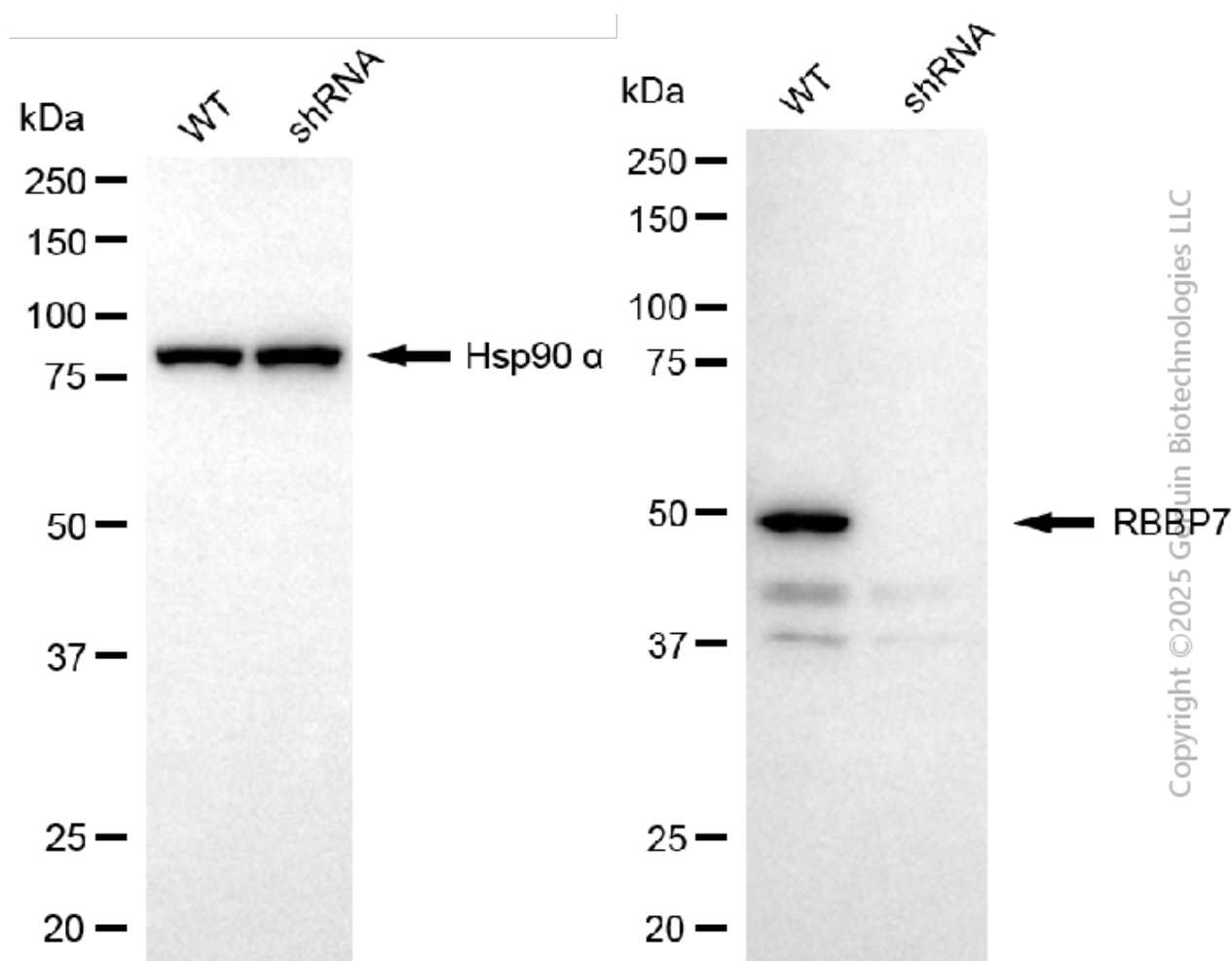
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Genotype	Ct Value
Wild-Type	18.21
Knock-Down	20.19
$\Delta Ct (Ct_{KD} - Ct_{WT})$	1.98
% mRNA Reduction	↓ 75%

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RT-qPCR analysis. HeLa cells were infected with RBBP7-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. RBBP7 protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. Hsp90  $\alpha$  served as a loading control. The blots were incubated with primary antibodies against RBBP7 and Hsp90  $\alpha$ , respectively, followed by incubating with HRP-conjugated goat anti-mouse secondary antibody. Images were developed

## **Human RBBP7 Knockdown Cell Line (WB-Validated)**

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using FeQ™ ECL Substrate Kit.

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