Human RBBP4 Knockdown Cell Line (WB-Validated)

Catalog #: C62522

Aliases

RB Binding Protein 4, Chromatin Remodeling Factor; Retinoblastoma-Binding Protein 4; RbAp48; NURF55; Lin-53; Nucleosome-Remodeling Factor Subunit RBAP48; Chromatin Assembly Factor I P48 Subunit; Chromatin Assembly Factor 1 Subunit C; Retinoblastoma-Binding Protein P48; Histone-Binding Protein RBBP4; CAF-I 48 KDa Subunit; CAF-1 Subunit C; CAF-I P48; RBBP-4; Chromatin Assembly Factor/CAF-1 P48 Subunit; Retinoblastoma Binding Protein 4; MSI1 Protein Homolog; RBAP48

Background

Gene Name: RBBP4
NCBI Gene Entry: 5928

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human RBBP4 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.

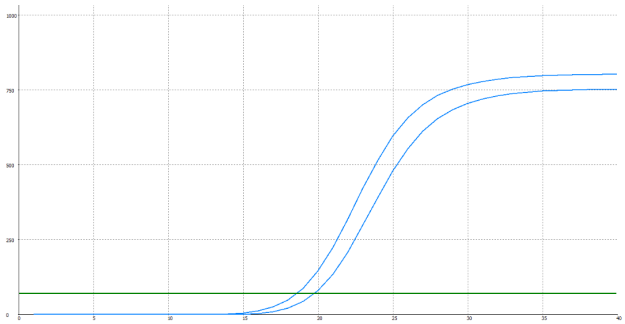
Instructions For Use

This knockdown cell line should be paired with wild-type cell line for use.

Note: This product is for research use only.

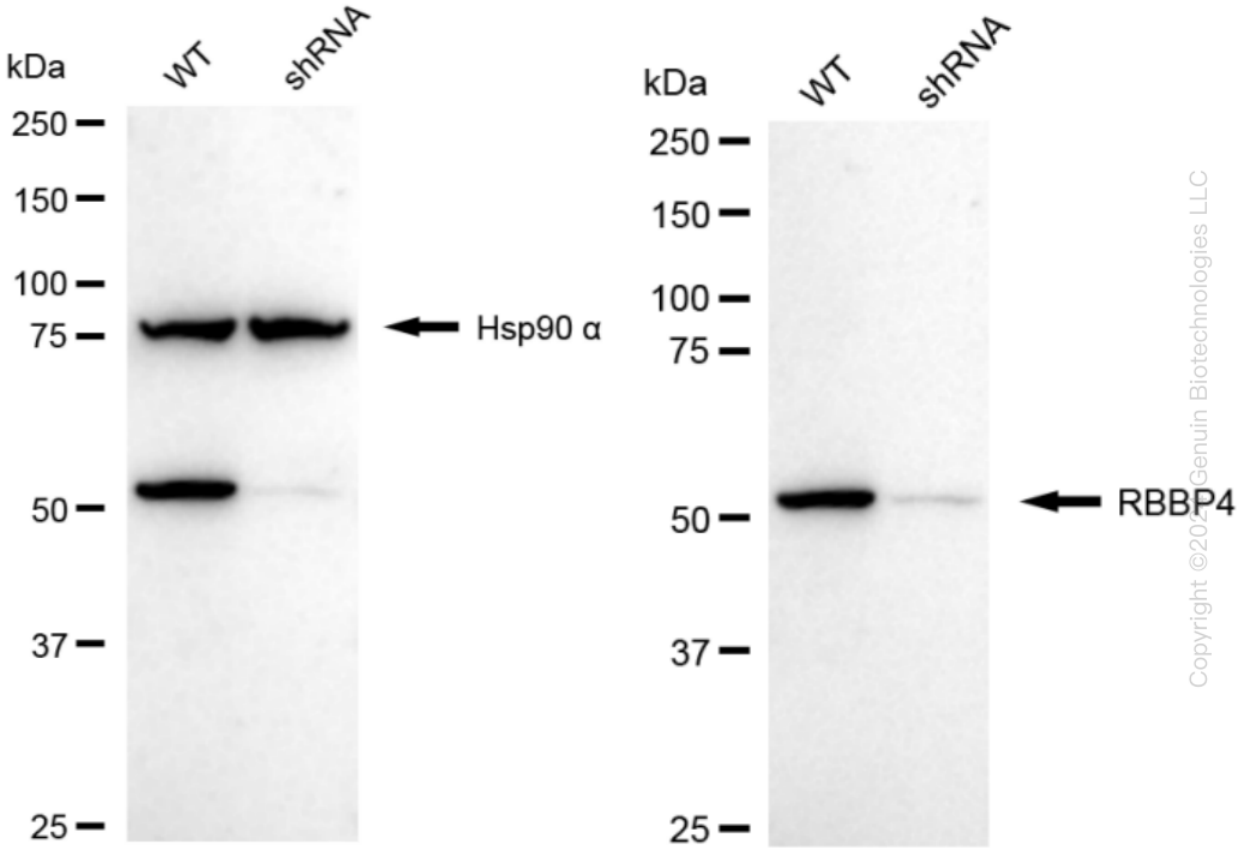
Validation Data

Human RBBP4 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	18.22
Knock-Down	19.27
ΔCt (Ct_{KD}-Ct_{WT})	1.05
% mRNA Reduction	⬇ 52%

RT-qPCR analysis. HeLa cells were infected with RBBP4-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%.



Western blotting analysis. RBBP4 protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. Hsp90 α served as a loading control. The blots were incubated with primary antibodies against RBBP4 and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.