Human RNF2 Knockdown Cell Line (WB-Validated)

Catalog #: C63391

Aliases

RNF2; Ring Finger Protein 2; RING1B; HIPI3; BAP1; DING; BAP-1; RING2; Huntingtin-Interacting Protein 2-Interacting Protein 3; RING-Type E3 Ubiquitin Transferase RING2; E3 Ubiquitin-Protein Ligase RING2; HIP2-Interacting Protein 3; RING Finger Protein BAP-1; RING Finger Protein 1B; Protein DinG; RING Finger Protein 2; EC 2.3.2.27; EC 6.3.2; LUSYAM; RING1b

Background

Gene Name: RNF2
NCBI Gene Entry: 6045

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human RNF2 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.

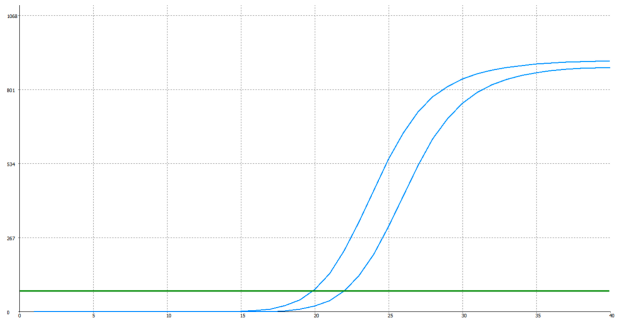
Instructions For Use

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

Note: This product is for research use only.

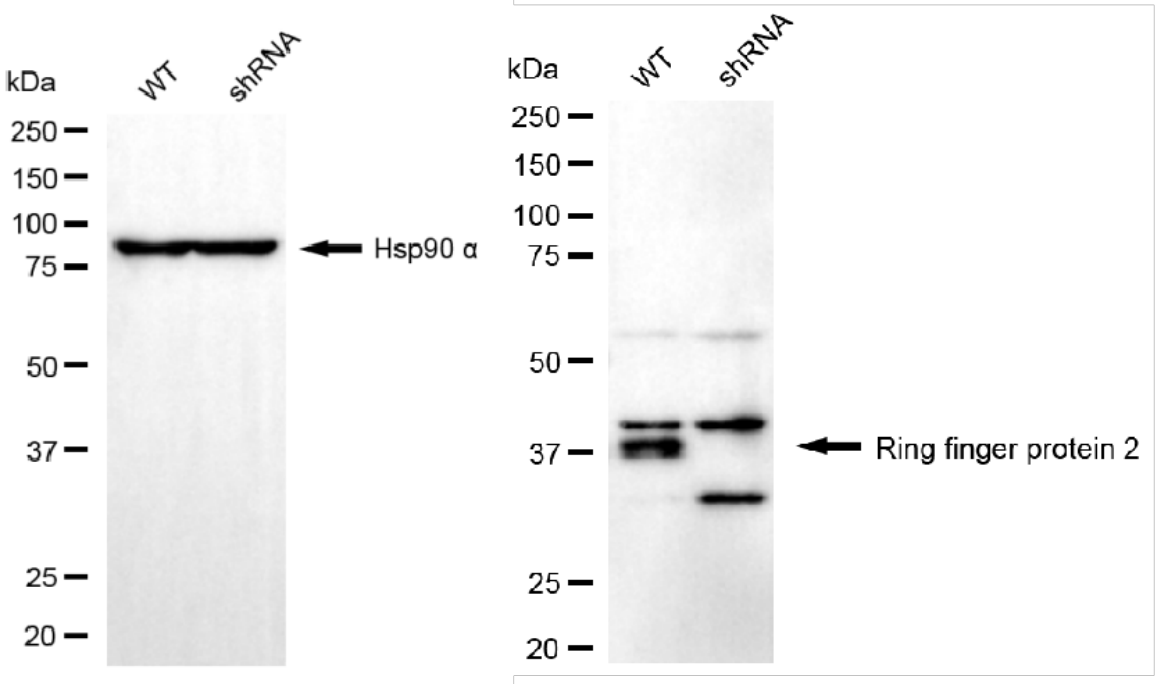
Validation Data

Human RNF2 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	19.56
Knock-Down	21.63
ΔCt (Ct_{KD}-Ct_{WT})	2.07
% mRNA Reduction	⬇ 76%

RT-qPCR analysis. HT-1080 cells were infected with RNF2-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. RNF2 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 RNF2 and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.