Human BCL2 Knockdown Cell Line (WB-Validated)

Catalog #: C68142

Aliases

BCL2 Apoptosis Regulator; PPP1R50; Bcl-2; Protein Phosphatase 1, Regulatory Subunit 50; Apoptosis Regulator Bcl-2; B-Cell CLL/Lymphoma 2; BCL2, Apoptosis Regulator

Background

Gene Name: BCL2
NCBI Gene Entry: 596

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human BCL2 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.

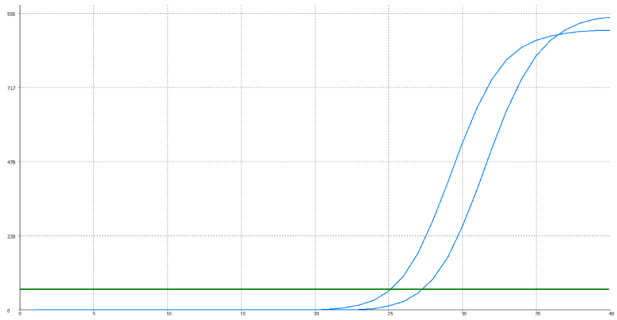
Instructions For Use

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

Note: This product is for research use only.

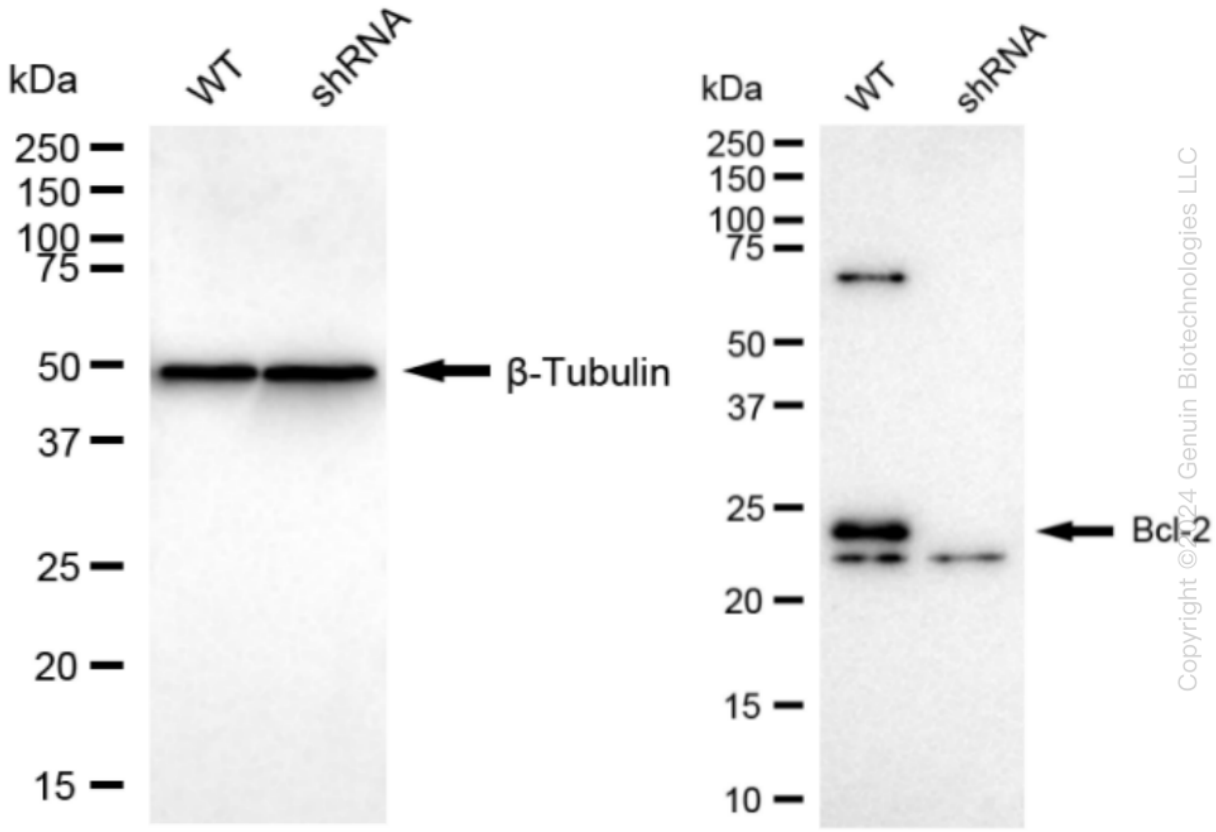
Validation Data

Human BCL2 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	25.07
Knock-Down	27.28
ΔCt (Ct_{KD}-Ct_{WT})	2.21
% mRNA Reduction	⬇ 78%

RT-qPCR analysis. HeLa cells were infected with BCL2-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. BCL2 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 against BCL2 and β-Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.