Human CBX8 Knockdown Cell Line (WB-Validated)

Catalog #: C63809

Aliases

CBX8; Chromobox 8; RC1; PC3; Chromobox Protein Homolog 8; Rectachrome 1; Polycomb 3; HPC3; Chromobox Homolog 8 (Pc Class Homolog, Drosophila); Chromobox Homolog 8 (Drosophila Pc Class); Pc Class 3 Homolog (Drosophila); Chromobox Homolog 8; Pc Class 3 Homolog; Polycomb 3 Homolog; HPc3; Pc3

Background

Gene Name: CBX8
NCBI Gene Entry: 57332

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human CBX8 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.

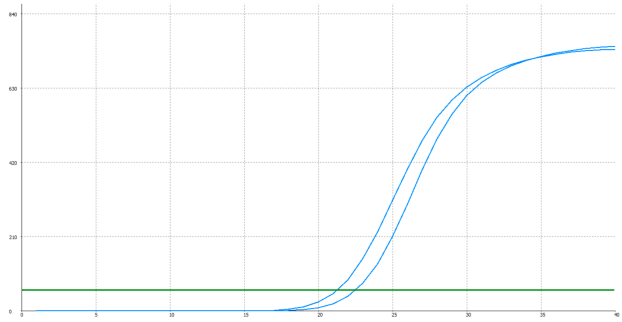
Instructions For Use

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

Note: This product is for research use only.

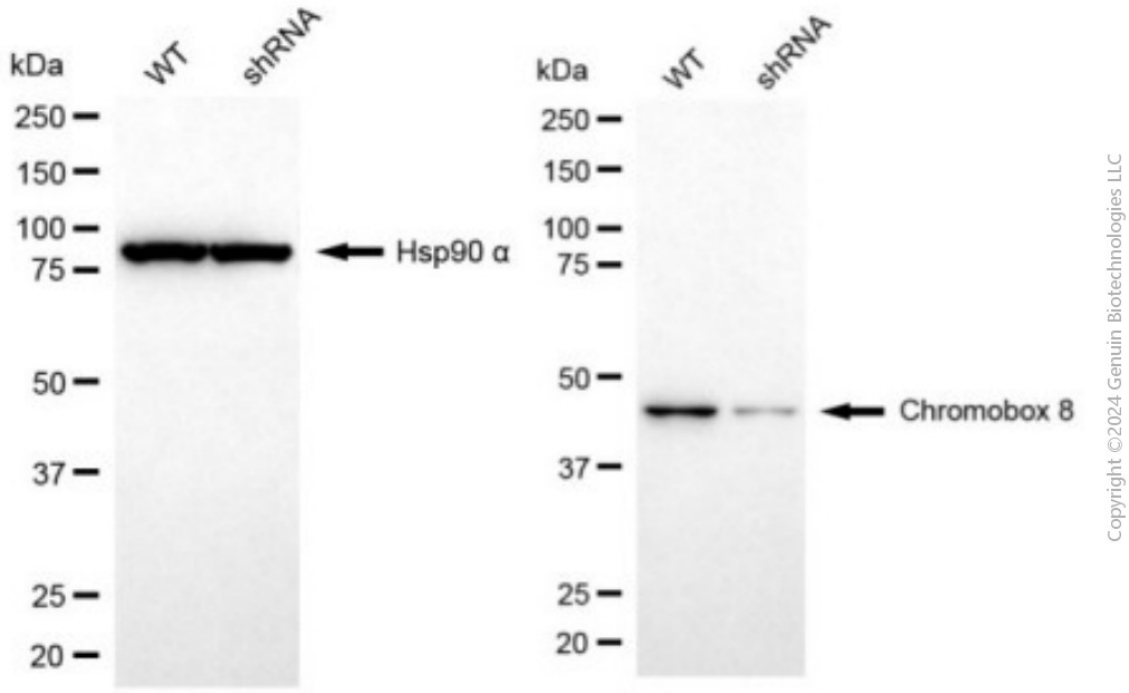
Validation Data

Human CBX8 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	21.09
Knock-Down	22.32
$\Delta Ct\ (Ct_{KD}\text{-}Ct_{WT})$	1.23
% mRNA Reduction	⬇ 57%

RT-qPCR analysis. HeLa cells were infected with CBX8-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. CBX8 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 CBX8 and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-mouse secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.