

# Human EZH2 Knockdown Cell Line (WB-Validated)



**Catalog #: C69932**

## Aliases

Enhancer Of Zeste 2 Polycomb Repressive Complex 2 Subunit; ENX-1; KMT6; KMT6A; Histone-Lysine N-Methyltransferase EZH2; Lysine N-Methyltransferase 6; Enhancer Of Zeste Homolog 2; EZH1; Enhancer Of Zeste (Drosophila) Homolog 2; Enhancer Of Zeste Homolog 2 (Drosophila); EC 2.1.1.356; EC 2.1.1.43; EC 2.1.1; EZH2b; ENX1; WVS2; WVS

## Background

Gene Name: EZH2

NCBI Gene Entry: [2146](#)

## Storage

Store at liquid nitrogen for 1 year.

## Kit Components

1. Human EZH2 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

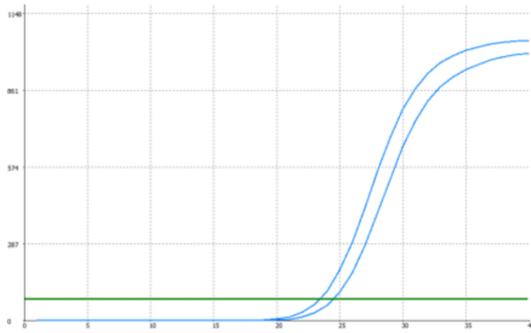
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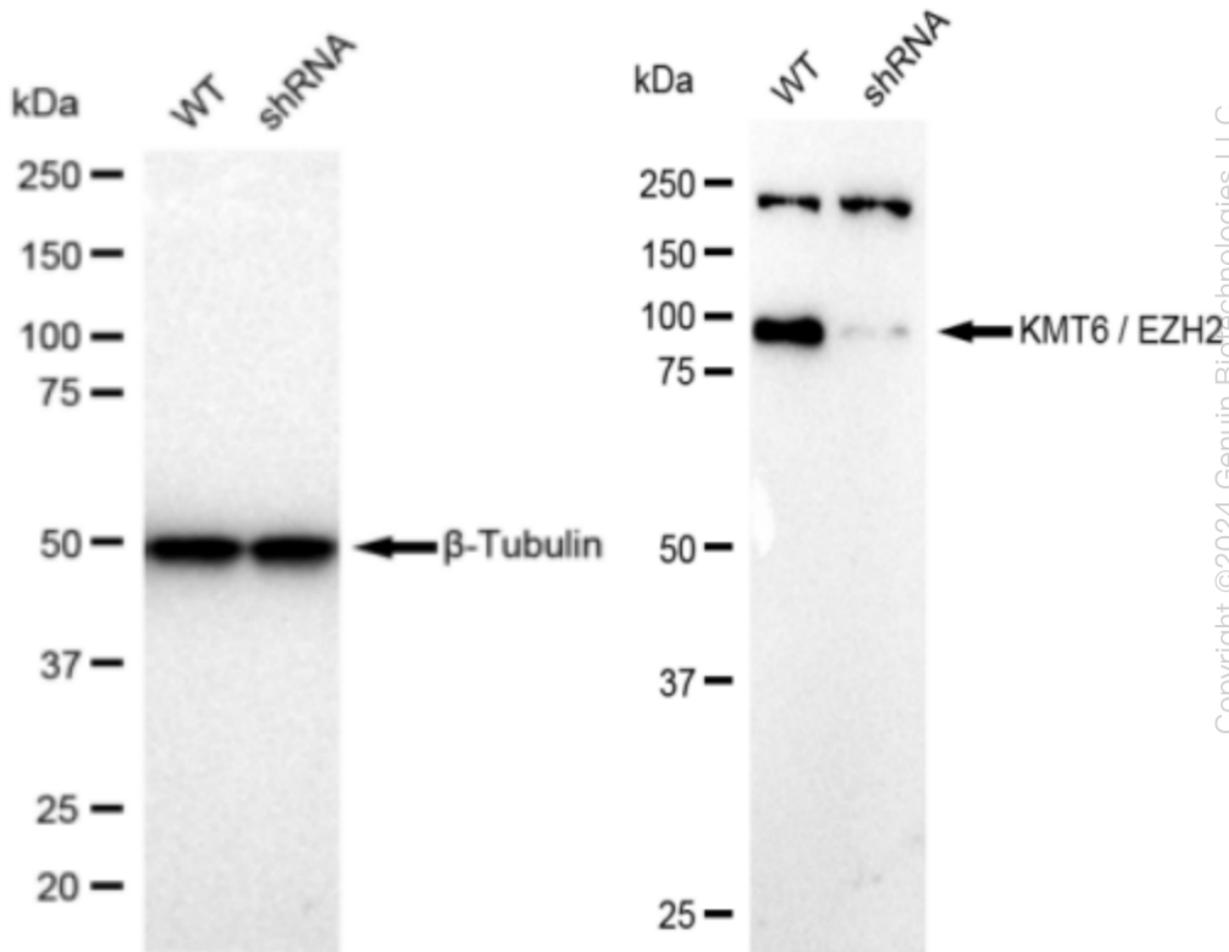
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Genotype	Ct Value
Wild-Type	23.27
Knock-Down	24.26
$\Delta Ct (Ct_{KD} - Ct_{WT})$	0.99
% mRNA Reduction	↓ 50%

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RT-qPCR analysis. HeLa cells were infected with EZH2-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. EZH2 protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting.  $\beta$ -Tubulin served as a loading control. The blots were incubated with primary antibodies (Cat#69932, 1:10,000) against EZH2 and  $\beta$ -Tubulin,

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respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000). Images were developed using FeQ™ ECL Substrate Kit (Cat#226).

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