Human BAZ1B Knockdown Cell Line (WB-Validated)

Catalog #: C61613

Aliases

BAZ1B; Bromodomain Adjacent To Zinc Finger Domain 1B; WSTF; WBSCR10; WBSCR9; Williams-Beuren Syndrome Chromosomal Region 10 Protein; Williams-Beuren Syndrome Chromosomal Region 9 Protein; Williams Syndrome; Transcription Factor; Tyrosine-Protein Kinase BAZ1B; Transcription Factor; WSTF; EC 2.7.10.2; HWALp2; Bromodomain Adjacent To Zinc Finger Domain Protein 1B; Williams-Beuren Syndrome Chromosome Region 10; Williams-Beuren Syndrome Chromosome Region 9; WBSC10

Background

Gene Name: BAZ1B
NCBI Gene Entry: 9031

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human BAZ1B 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.

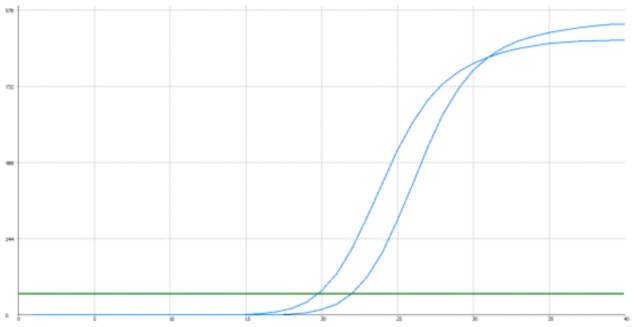
Instructions For Use

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

Note: This product is for research use only.

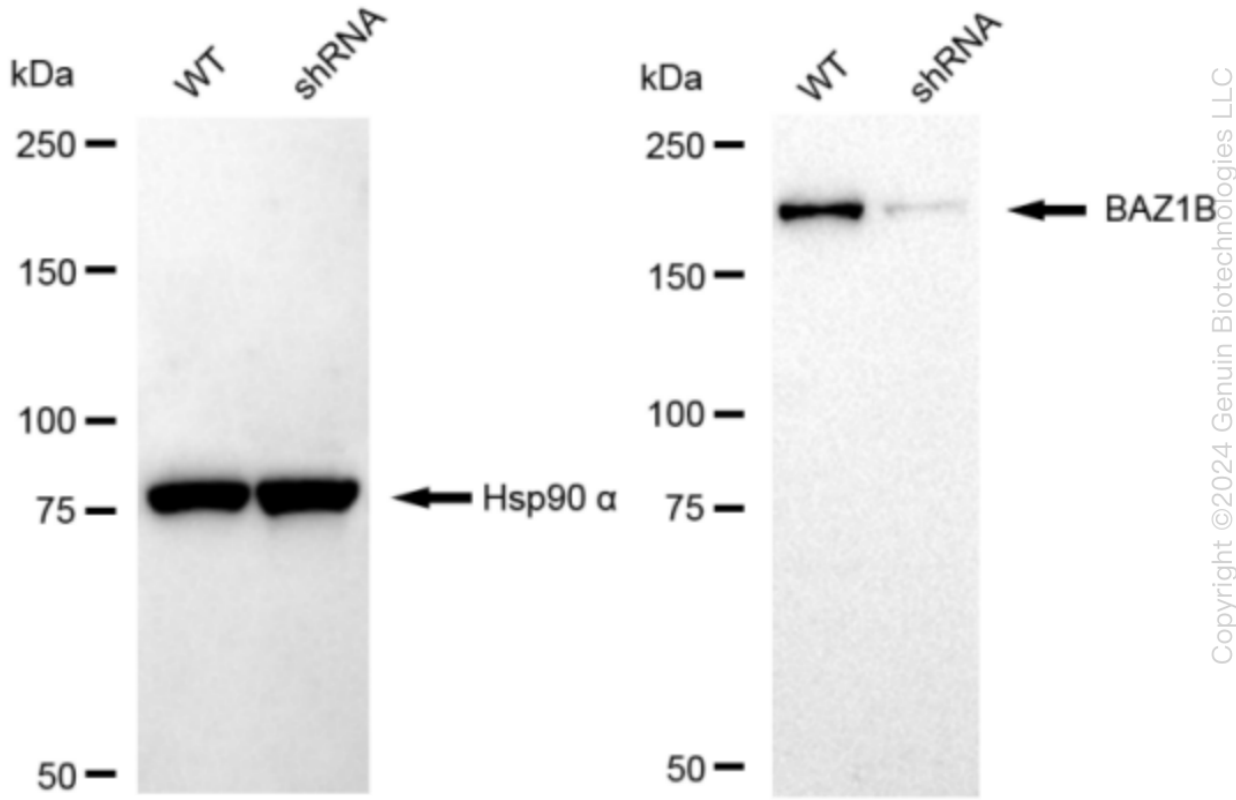
Validation Data

Human BAZ1B Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	19.59
Knock-Down	21.94
ΔCt (Ct_{KD}-Ct_{WT})	2.35
% mRNA Reduction	⬇ 80%

RT-qPCR analysis. HeLa cells were infected with BAZ1B-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. BAZ1B 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 (Cat#61613, 1:5,000) against BAZ1B and Hsp90 α, 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).