Human NFKBIA Knockdown Cell Line (WB-Validated)

Catalog #: C63464

Aliases

NFKBIA; NFKB Inhibitor Alpha; I-kappa-B-alpha; NFKBI; NF-kappaB inhibitor alpha; IKBA; IkappaBalpha; MAD3; MAD-3; Nuclear Factor Of Kappa Light Polypeptide Gene Enhancer In B-Cells Inhibitor, Alpha; Major Histocompatibility Complex Enhancer-Binding Protein MAD3; IkB-Alpha; Nuclear Factor Of Kappa Light Chain Gene Enhancer In B-Cells; EDAID2□ RL/IF-1□

Background

Gene Name: NFKBIA
NCBI Gene Entry: 4792

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human NFKBIA 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.

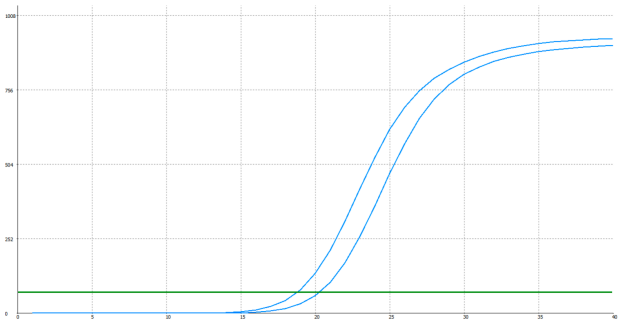
Instructions For Use

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

Note: This product is for research use only.

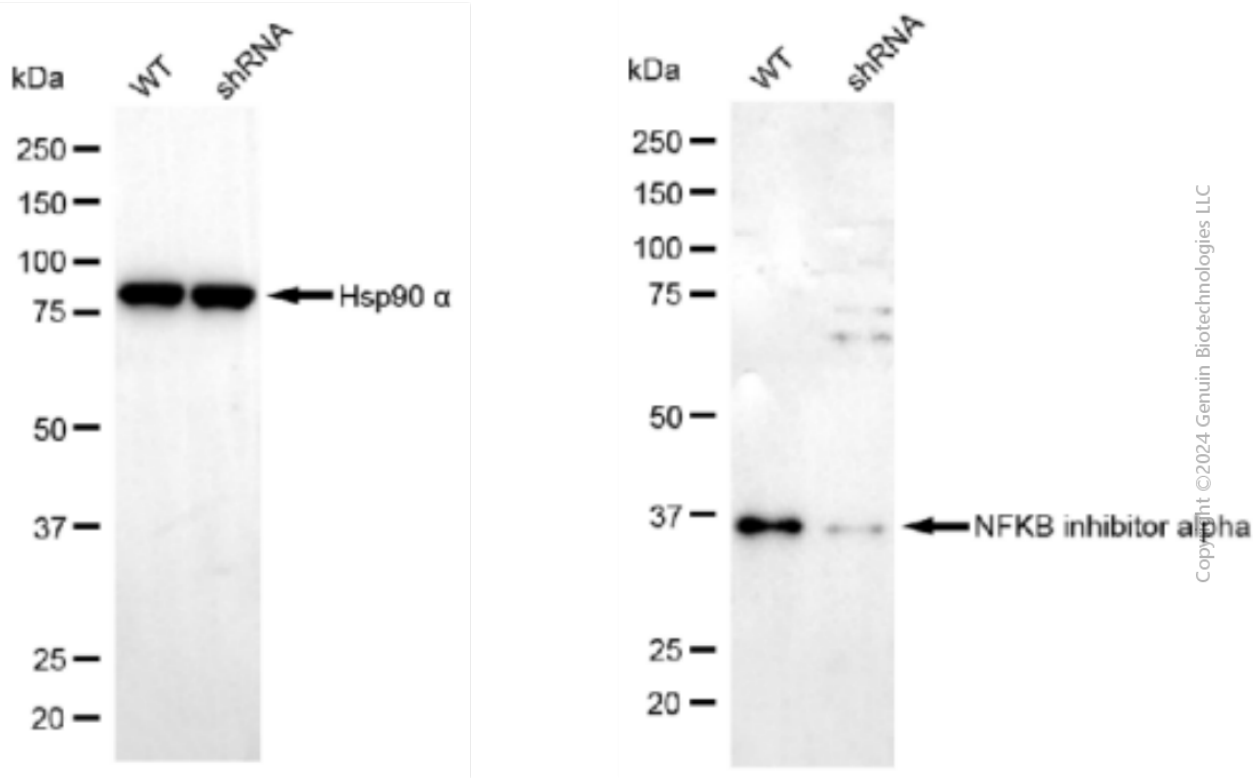
Validation Data

Human NFKBIA Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	18.65
Knock-Down	20.11
ΔCt (Ct_{KD}-Ct_{WT})	1.46
% mRNA Reduction	⬇ 64%

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