Human CFAP298 Knockdown Cell Line (WB-Validated)

Catalog #: C63796

Aliases

CFAP298; Cilia And Flagella Associated Protein 298; C21orf48; C21orf59; DNAAF16; CILD26; FBB18; Kur; Cilia- And Flagella-Associated Protein 298; Dynein Axonemal Assembly Factor 16; Protein Kurly Homolog; FLJ20467; Prostate Cancer Upregulated Protein 1; Chromosome 21 Open Reading Frame 48; Chromosome 21 Open Reading Frame 59; Kurly Homolog (Zebrafish); UPF0769 Protein C21orf59; Kurly Homolog

Background

Gene Name: CFAP298
NCBI Gene Entry: 56683

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human CFAP298 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.

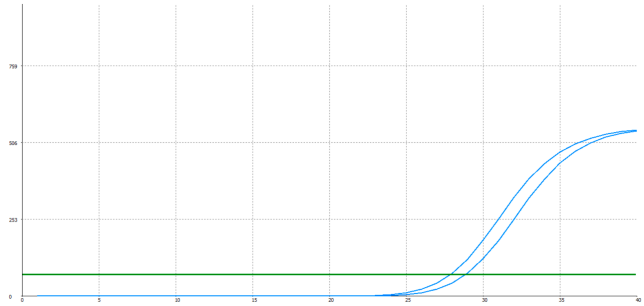
Instructions For Use

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

Note: This product is for research use only.

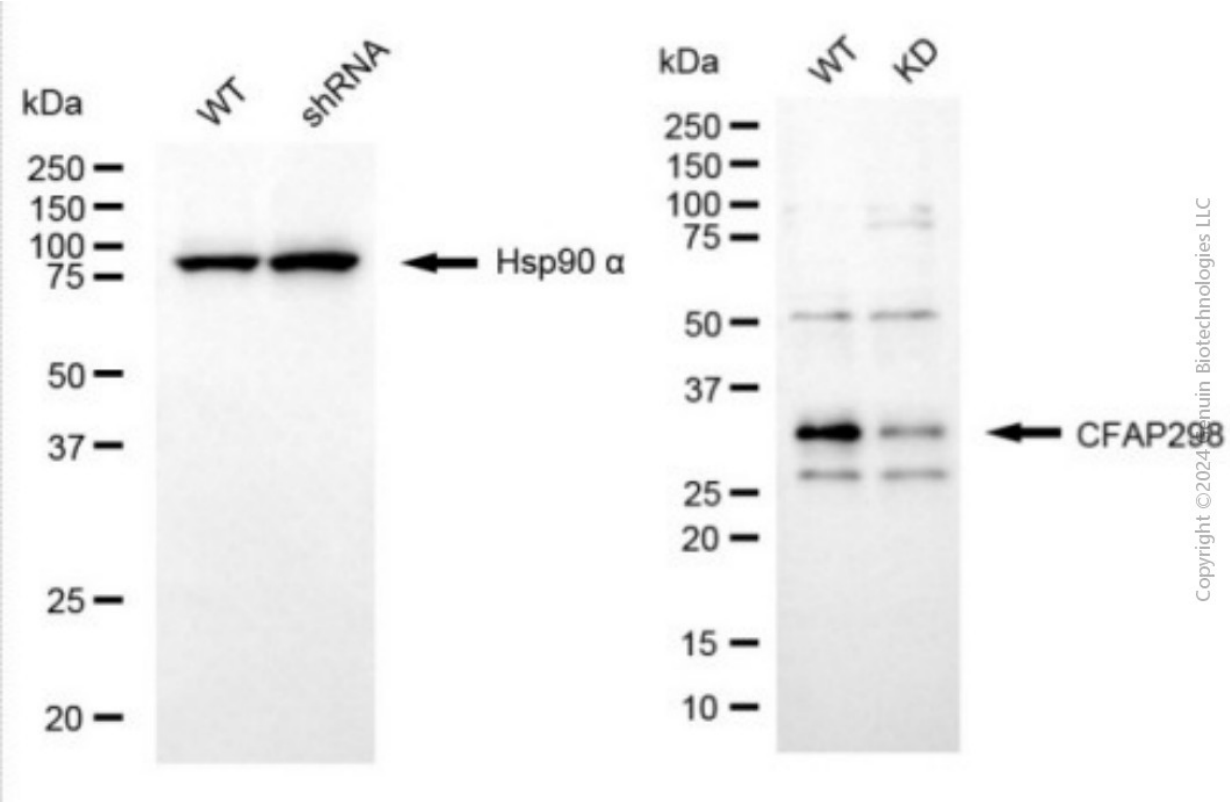
Validation Data

Human CFAP298 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	26.80
Knock-Down	27.76
ΔCt (Ct_{KD}-Ct_{WT})	0.96
% mRNA Reduction	⬇ 49%

RT-qPCR analysis. HT-1080 cells were infected with CFAP298-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. CFAP298 protein expression in wild-type (WT) and shRNA knockdown (KD) HT-1080 cells was detected using Western blotting. Hsp90 α served as a loading control. The blots were incubated with primary antibodies against CFAP298 and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-mouse secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.