Human APPL1 Knockdown Cell Line (WB-Validated)

Catalog #: C61661

Aliases

APPL1; Adaptor Protein, Phosphotyrosine Interacting With PH Domain And Leucine Zipper 1; APPL; DCC-Interacting Protein 13-Alpha; Adaptor Protein, Phosphotyrosine Interaction, PH Domain And Leucine Zipper Containing 1; Adapter Protein Containing PH Domain, PTB Domain And Leucine Zipper Motif 1; Dip13-Alpha; Adaptor Protein Containing PH Domain, PTB Domain And Leucine Zipper Motif 13; Signaling Adaptor Protein DIP13alpha; AKT2 Interactor; DIP13alpha; KIAA1428; MODY14; DIP13A

Background

Gene Name: APPL1
NCBI Gene Entry: 26060

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human APPL1 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.

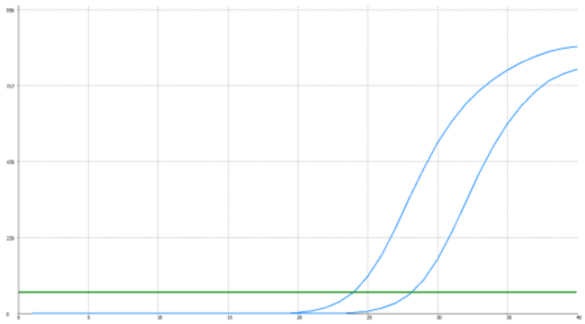
Instructions For Use

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

Note: This product is for research use only.

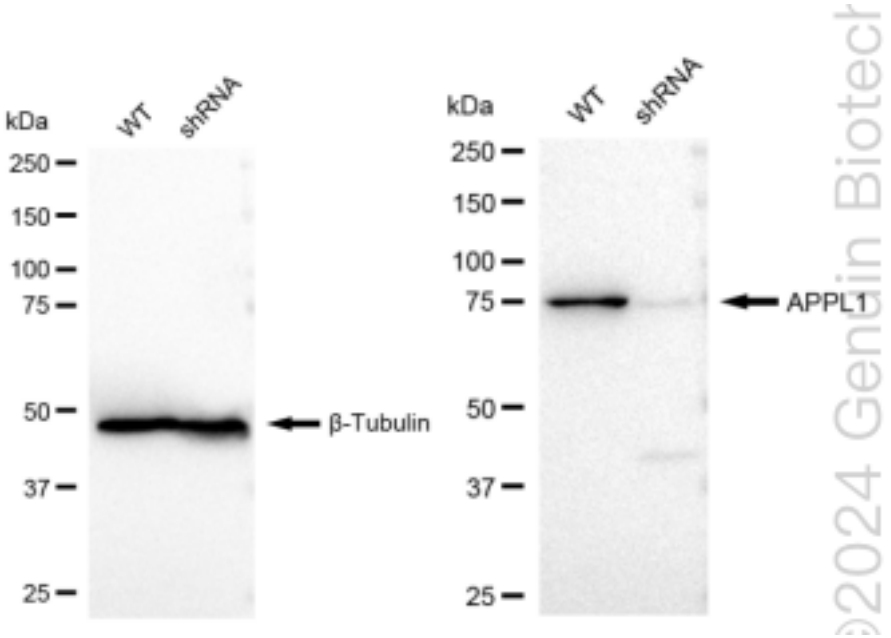
Validation Data

Human APPL1 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	23.73
Knock-Down	27.77
ΔCt (Ct_{KD}-Ct_{WT})	4.04
% mRNA Reduction	⬇ 94%

RT-qPCR analysis. HeLa cells were infected with APPL1-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. APPL1 protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. β-Tubulin served as a loading control. The blots were incubated with primary antibodies (Cat#61664, 1:5,000) against APPL1 and β-Tubulin, 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).