

Human APP Knockdown Cell Line (WB-Validated)



Catalog #: C9660

Aliases

A4; AAA; ABETA; ABPP; AD1; AICD-50; AICD-57; AICD-59; AID(50); AID(57); AID(59); amyloid beta (A4) precursor protein; Amyloid beta A4 protein; CTFgamma ; PN 2;CD31; CVAP; APP

Background

Gene Name: APP
NCBI Gene Entry: 351

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human APP 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

SUPPORT

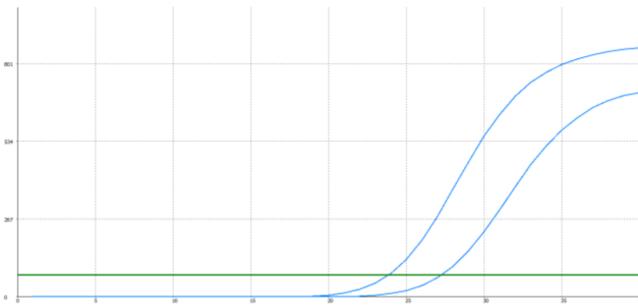
SUPPORT@GENUINBIOTECH.COM
TEL: +1-540-855-7041

ORDERS

SALES@GENUINBIOTECH.COM
FAX:+1-540-855-7041

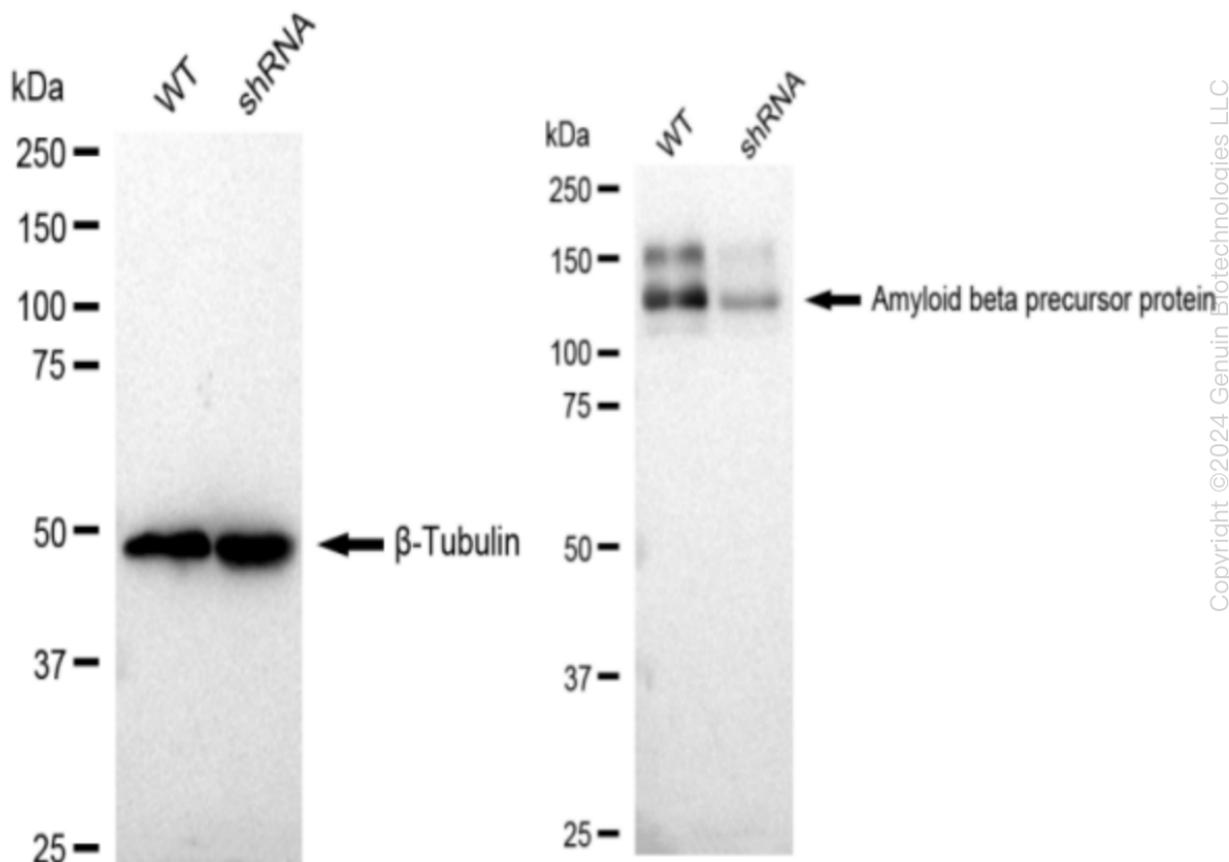
WWW.GENUINBIOTECH.COM

Human APP Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	23.42
Knock-Down	26.41
Δ Ct (Ct _{KD} -Ct _{WT})	2.99
% mRNA Reduction	↓ 87%

RT-qPCR analysis. HeLa cells were infected with APP-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. Δ 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) x 100%.



Western blotting analysis. APP protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. β -Tubulin α served as a loading control. The blots were incubated with primary antibodies (Cat#69660, 1:5,000) against APP and β -Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary

SUPPORT

SUPPORT@GENUINBIOTECH.COM
TEL: +1-540-855-7041

ORDERS

SALES@GENUINBIOTECH.COM
FAX:+1-540-855-7041

WWW.GENUINBIOTECH.COM

Copyright ©2024 Genuin Biotechnologies LLC

Human APP Knockdown Cell Line (WB-Validated)

PAGE 3

antibody (Cat#201, 1:20,000). Images were developed using FeQ™ ECL Substrate Kit (Cat#226).

SUPPORT

SUPPORT@GENUINBIOTECH.COM
TEL: +1-540-855-7041

ORDERS

SALES@GENUINBIOTECH.COM
FAX:+1-540-855-7041

WWW.GENUINBIOTECH.COM