Human AP3M1 Knockdown Cell Line (WB-Validated)

Catalog #: C63402

Aliases

AP3M1; Adaptor Related Protein Complex 3 Subunit Mu 1; Adaptor Related Protein Complex 3 Mu 1 Subunit; AP-3 Complex Subunit Mu-1; Mu-Adaptin 3A; Mu3A-Adaptin; Adapter-Related Protein Complex 3 Mu-1 Subunit; Adaptor-Related Protein Complex 3 Subunit Mu-1; Clathrin Adaptor Complex AP3, Mu-3A Subunit; AP-3 Adapter Complex Mu3A Subunit; AP-3 Adaptor Complex Mu3A Subunit

Background

Gene Name: AP3M1
NCBI Gene Entry: 26985

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human AP3M1 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.

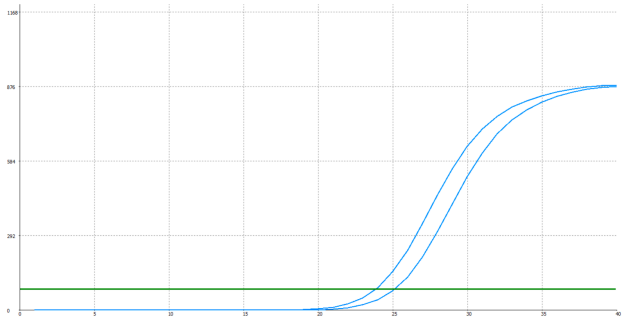
Instructions For Use

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

Note: This product is for research use only.

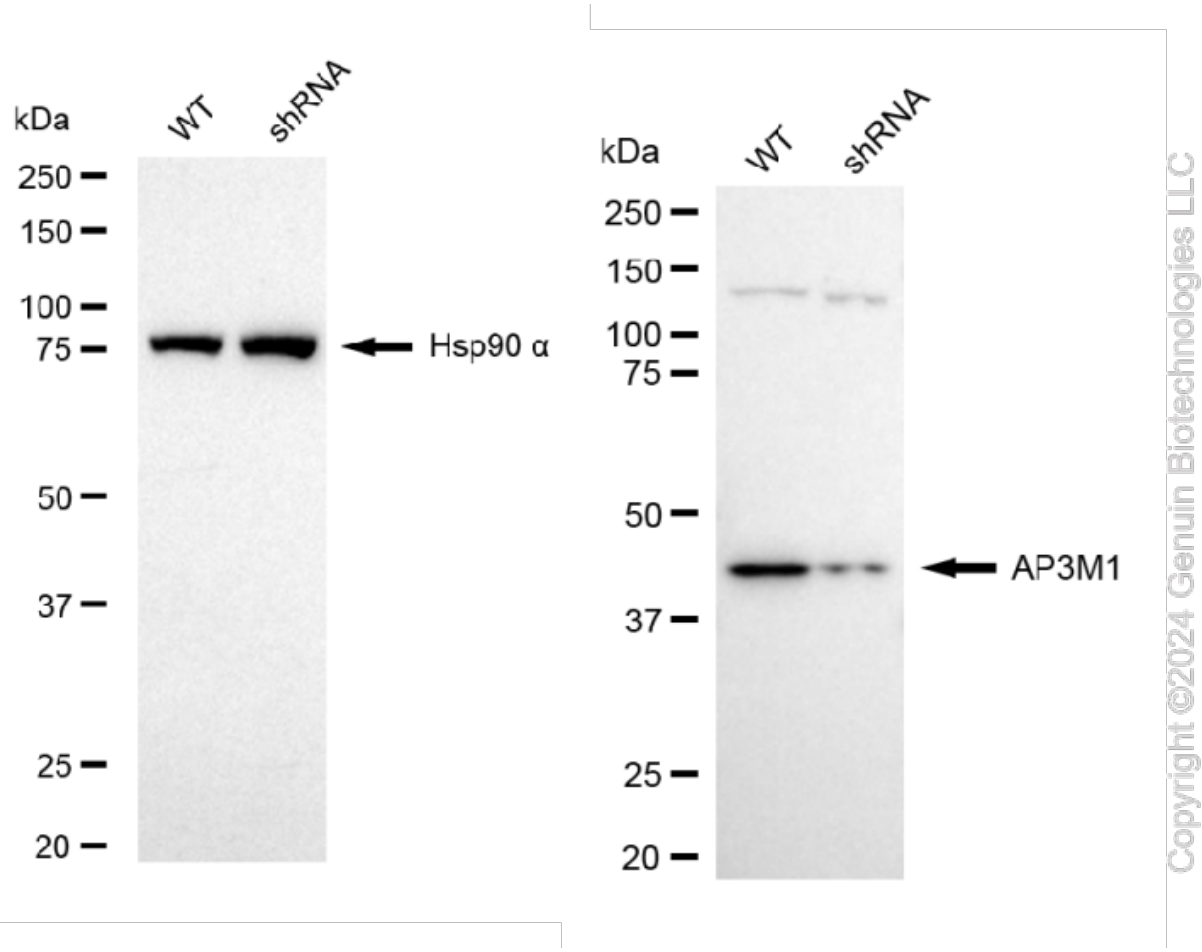
Validation Data

Human AP3M1 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	23.36
Knock-Down	24.61
$\Delta Ct\ (Ct_{KD}\text{-}Ct_{WT})$	1.25
% mRNA Reduction	⬇ 58%

RT-qPCR analysis. HeLa cells were infected with AP3M1-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. AP3M1 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 AP3M1 and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.