Human VAPA Knockdown Cell Line (WB-Validated)

Catalog #: C62817

Aliases

VAPA; VAMP Associated Protein A; VAP-A; HVAP-33; VAMP (Vesicle-Associated Membrane Protein)-Associated Protein A, 33kDa; Vesicle-Associated Membrane Protein-Associated Protein A; 33 KDa VAMP-Associated Protein; VAMP-A; VAP-33; VAP33; VAMP (Vesicle-Associated Membrane Protein)-Associated Protein A (33kD); Epididymis Secretory Sperm Binding Protein; VAMP-Associated Protein A

Background

Gene Name: VAPA
NCBI Gene Entry: 9218

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human VAPA 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.

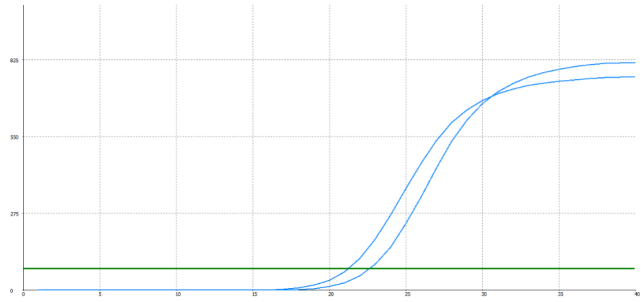
Instructions For Use

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

Note: This product is for research use only.

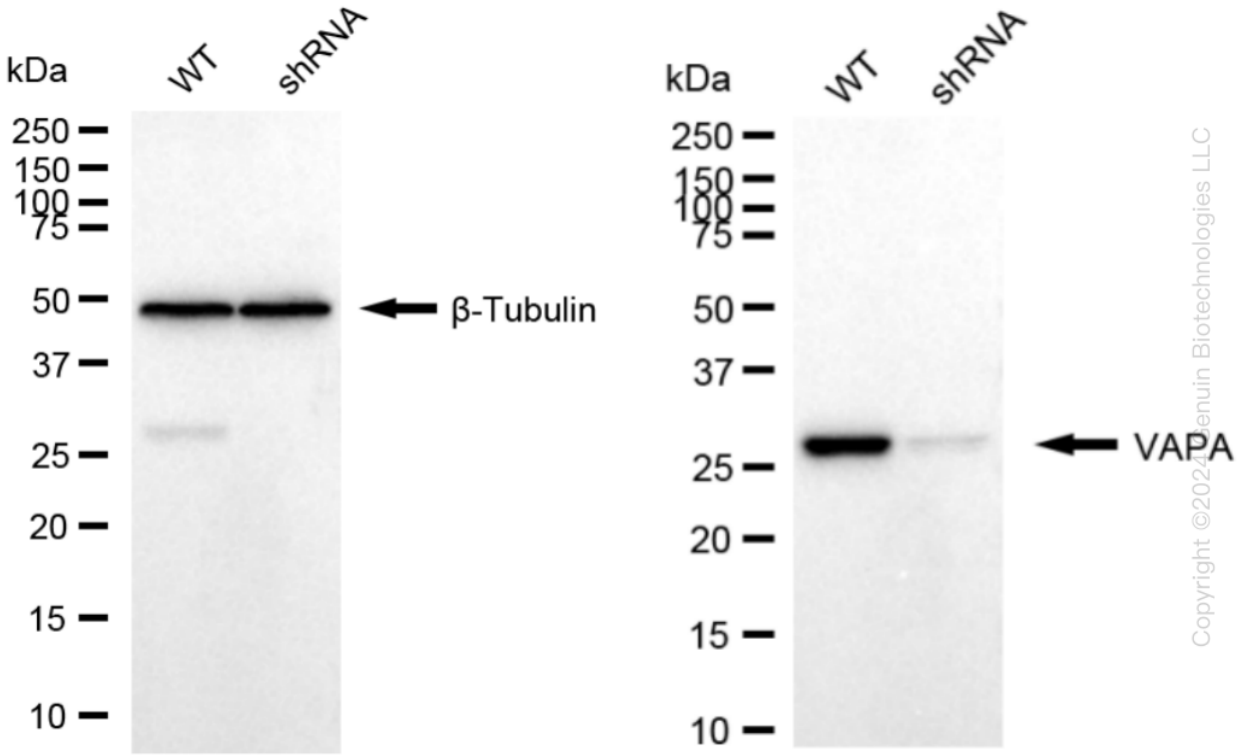
Validation Data

Human VAPA Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	20.61
Knock-Down	22.14
ΔCt (Ct_{KD}-Ct_{WT})	1.53
% mRNA Reduction	⬇ 72%

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