

Human PLCB3 Knockdown Cell Line (WB-Validated)



Catalog #: C62526

Aliases

PLCB3; Phospholipase C Beta 3; 1-Phosphatidylinositol 4,5-Bisphosphate Phosphodiesterase Beta-3; Phospholipase C, Beta 3 (Phosphatidylinositol-Specific); Phosphoinositide Phospholipase C-Beta-3; EC 3.1.4.11; Phospholipase C-Beta-3; PLC Beta 3; PLC-Beta-3; SMDCD

Background

Gene Name: PLCB3

NCBI Gene Entry: [5331](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human PLCB3 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

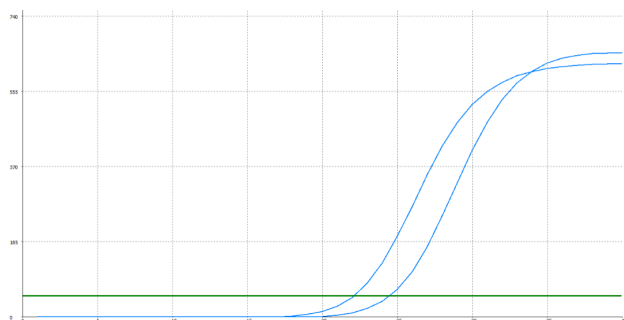
SUPPORT

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

ORDERS

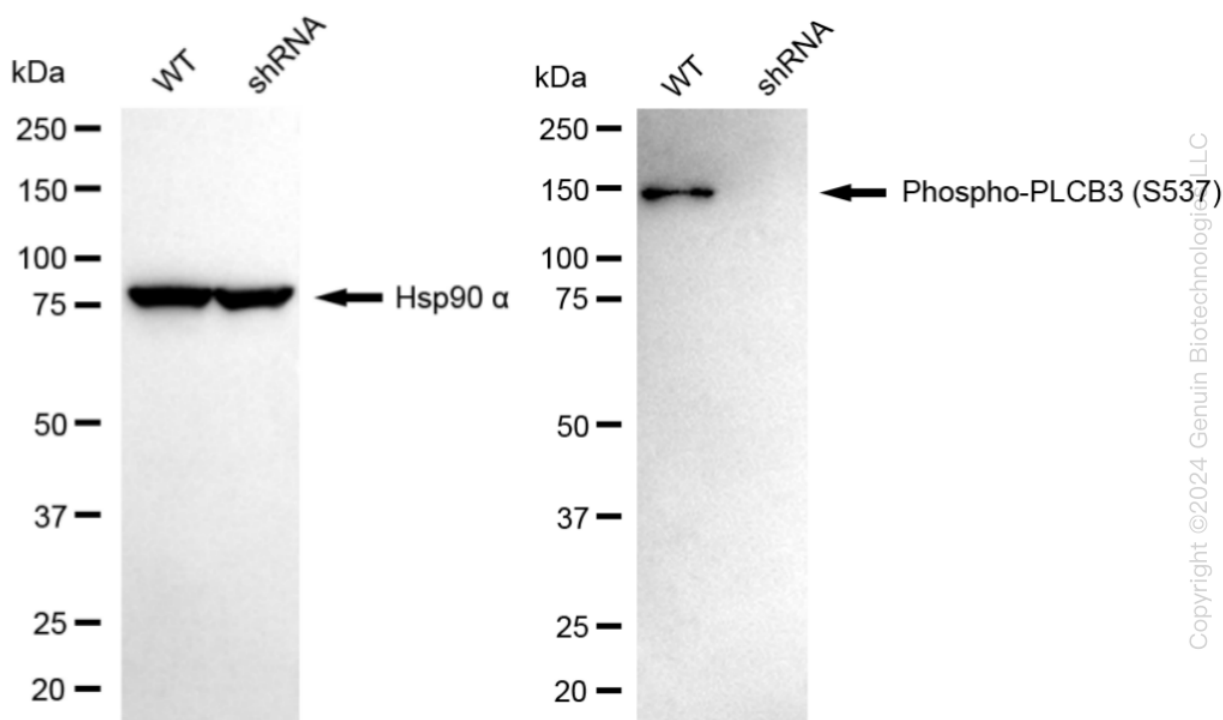
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Genotype	Ct Value
Wild-Type	21.81
Knock-Down	24.25
$\Delta Ct (Ct_{KD}-Ct_{WT})$	2.15
% mRNA Reduction	↓ 77%

RT-qPCR analysis. HT-1080 cells were infected with PLCB3-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. $\Delta Ct (Ct_{KD}-Ct_{WT})$ was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: $(1-1/2^{\Delta Ct}) \times 100\%$.



Western blotting analysis. PLCB3 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 PLCB3 and Hsp90 α , respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.