Human DAB2 Knockdown Cell Line (WB-Validated)

Catalog #: C65221

Aliases

DAB2; DAB Adaptor Protein 2; DOC-2; Differentially Expressed In Ovarian Carcinoma 2; Differentially-Expressed Protein 2; DAB2, Clathrin Adaptor Protein 2; Adaptor Molecule Disabled-2; Disabled Homolog 2; DOC2; Disabled (Drosophila) Homolog 2 (Mitogen-Responsive Phosphoprotein); Disabled Homolog 2, Mitogen-Responsive Phosphoprotein (Drosophila); Dab, Mitogen-Responsive Phosphoprotein, Homolog 2 (Drosophila); Disabled Homolog 2, Mitogen-Responsive Phosphoprotein; Dab, Mitogen-Responsive Phosphoprotein, Homolog 2

Background

Gene Name: DAB2
NCBI Gene Entry: 1601

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human DAB2 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.

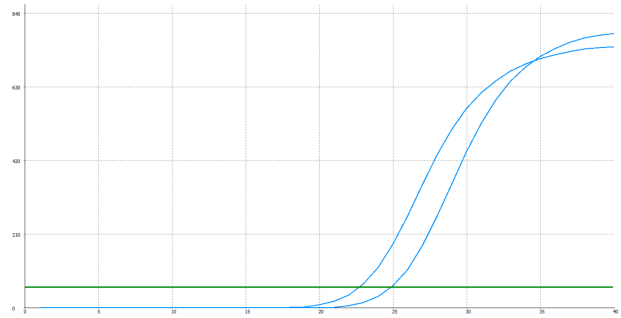
Instructions For Use

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

Note: This product is for research use only.

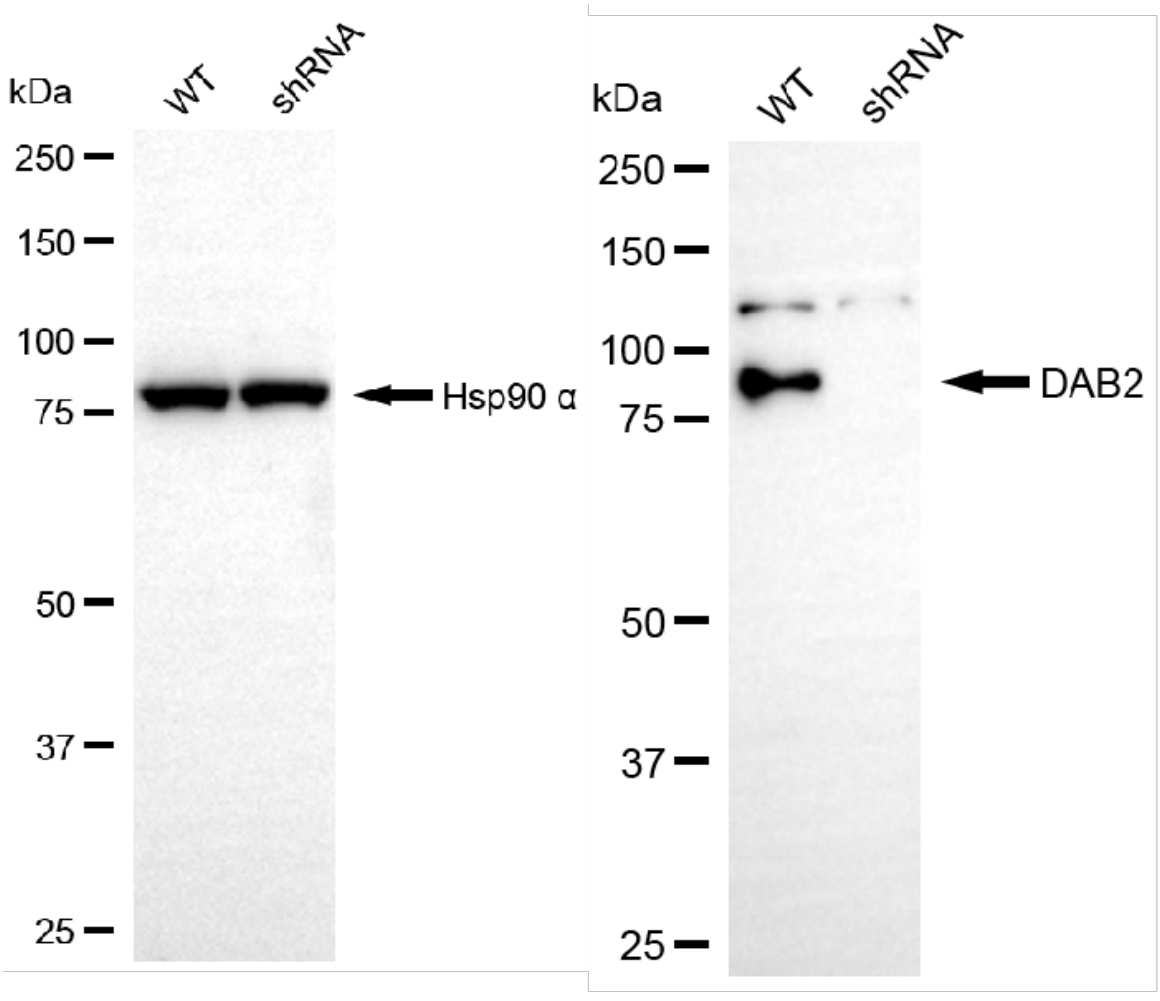
Validation Data

Human DAB2 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	22.52
Knock-Down	24.75
$\Delta Ct\ (Ct_{KD}\text{-}Ct_{WT})$	2.23
% mRNA Reduction	⬇ 79%

RT-qPCR analysis. HeLa cells were infected with DAB2-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. DAB2 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 DAB2 and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed

using FeQ™ ECL Substrate Kit.