Human MARK2 Knockdown Cell Line (WB-Validated)

Catalog #: C62402

Aliases

Microtubule Affinity Regulating Kinase 2; Par1b; MAP/Microtubule Affinity-Regulating Kinase 2; ELKL Motif Kinase 1; PAR-1B; PAR-1; EMK1; Serine/Threonine-Protein Kinase MARK2; Ser/Thr Protein Kinase PAR-1B; PAR1 Homolog B; EC 2.7.11.1; EMK-1; Serine/Threonine Protein Kinase EMK; Testicular Tissue Protein Li 117; Protein-Serine/Threonine Kinase; Serine/Threonine Kinase; ELKL Motif Kinase; PAR1 Homolog; EC 2.7.11.26; EC 2.7.11; Par-1b

Background

Gene Name: MARK2
NCBI Gene Entry: 2011

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human MARK2 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.

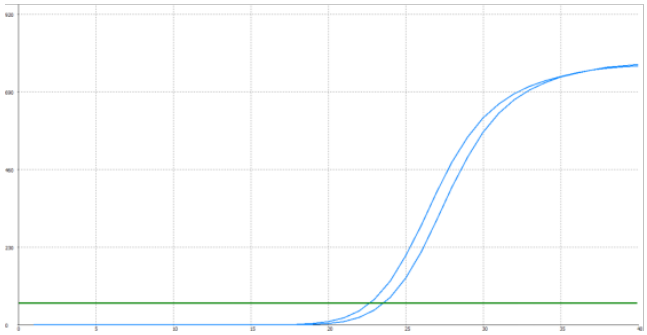
Instructions For Use

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

Note: This product is for research use only.

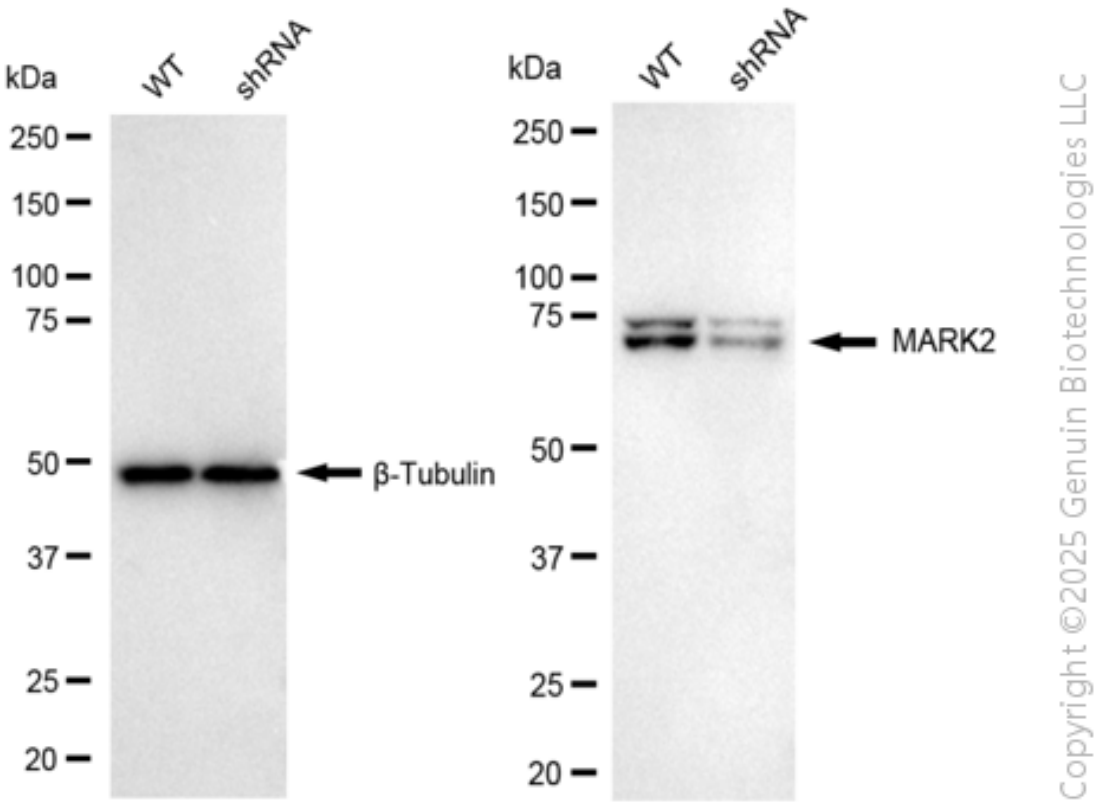
Validation Data

Human MARK2 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	22.39
Knock-Down	23.29
ΔCt (CtKD-CtWT)	0.90
% mRNA Reduction	46%

RT-qPCR analysis. HeLa cells were infected with MARK2-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. MARK2 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 MARK2 and β-Tubulin, respectively,

followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.