

Human EPHB4 Knockdown Cell Line (WB-Validated)



Catalog #: C66314

Aliases

EPHB4; EPH Receptor B4; Ephrin Receptor EphB4; HTK; Ephrin Type-B Receptor; MYK1; Soluble EPHB4 Variant 1; Hepatoma Transmembrane Kinase; Soluble EPHB4 Variant 2; Tyrosine-Protein Kinase TYRO11; Soluble EPHB4 Variant 3; TYRO11; Tyrosine-Protein Kinase Receptor HTK; EC 2.7.10.1; EC 2.7.10; EphB4

Background

Gene Name: EPHB4
NCBI Gene Entry: [2050](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human EPHB4 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

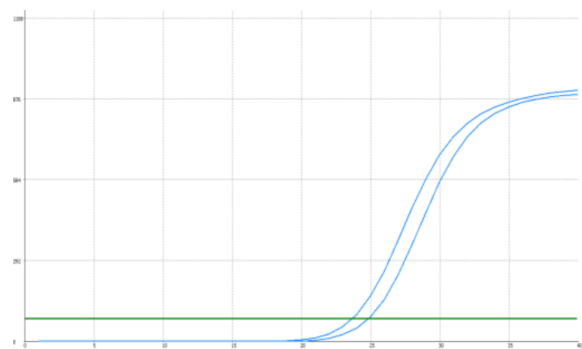
SUPPORT

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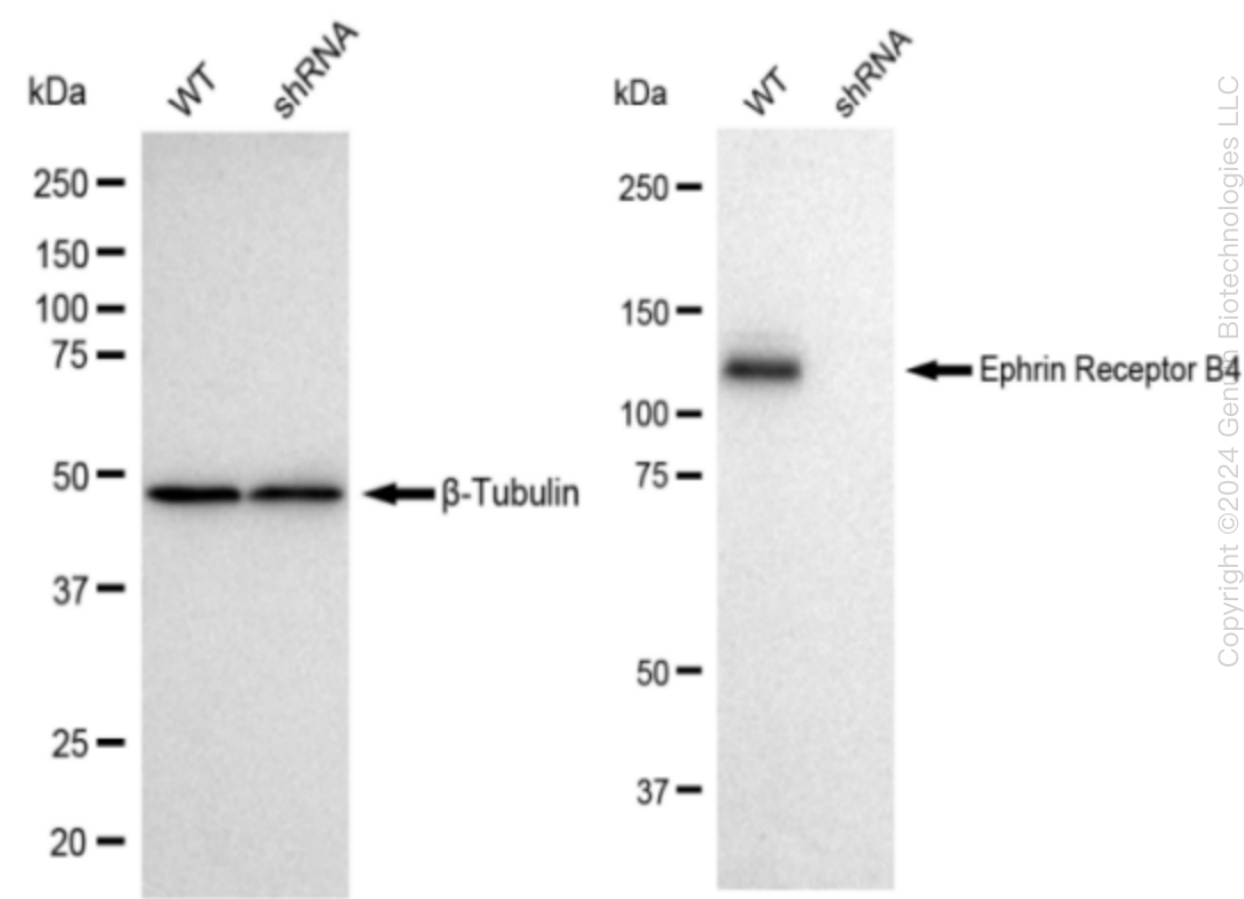
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Genotype	Ct Value
Wild-Type	23.27
Knock-Down	24.39
Δ Ct (Ct _{KD} -Ct _{WT})	1.12
% mRNA Reduction	↓ 54%

RT-qPCR analysis. HeLa cells were infected with EPHB4-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. Δ 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) x 100%.



Western blotting analysis. EPHB4 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 (Cat#66314, 1:5,000) against EPHB4 and β -Tubulin,

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respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000). Images were developed using FeQ™ ECL Substrate Kit (Cat#226).

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