

Human PPIB Knockdown Cell Line (WB-Validated)



Catalog #: C61118

Aliases

PPIB; Peptidylprolyl Isomerase B; CYP-S1; SCYLP; CYPB; Peptidyl-Prolyl Cis-Trans Isomerase B; S-Cyclophilin; Rotamase B; OI9; Cyclophilin B; EC 5.2.1.8; PPIase B; B; Peptidylprolyl Isomerase B (Cyclophilin B); Epididymis Secretory Protein Li 39; Cyclophilin-Like Protein; HEL-S-39; PPIase; PPIASE

Background

Gene Name: PPIB

NCBI Gene Entry: [5479](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human PPIB 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

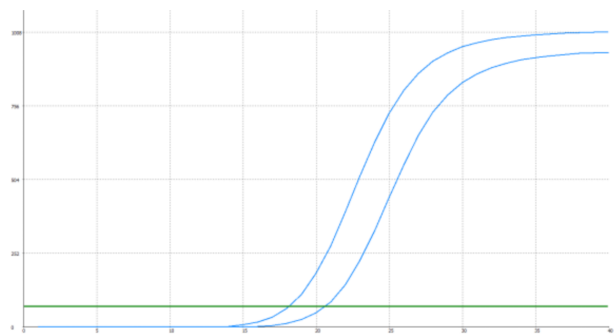
SUPPORT

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

ORDERS

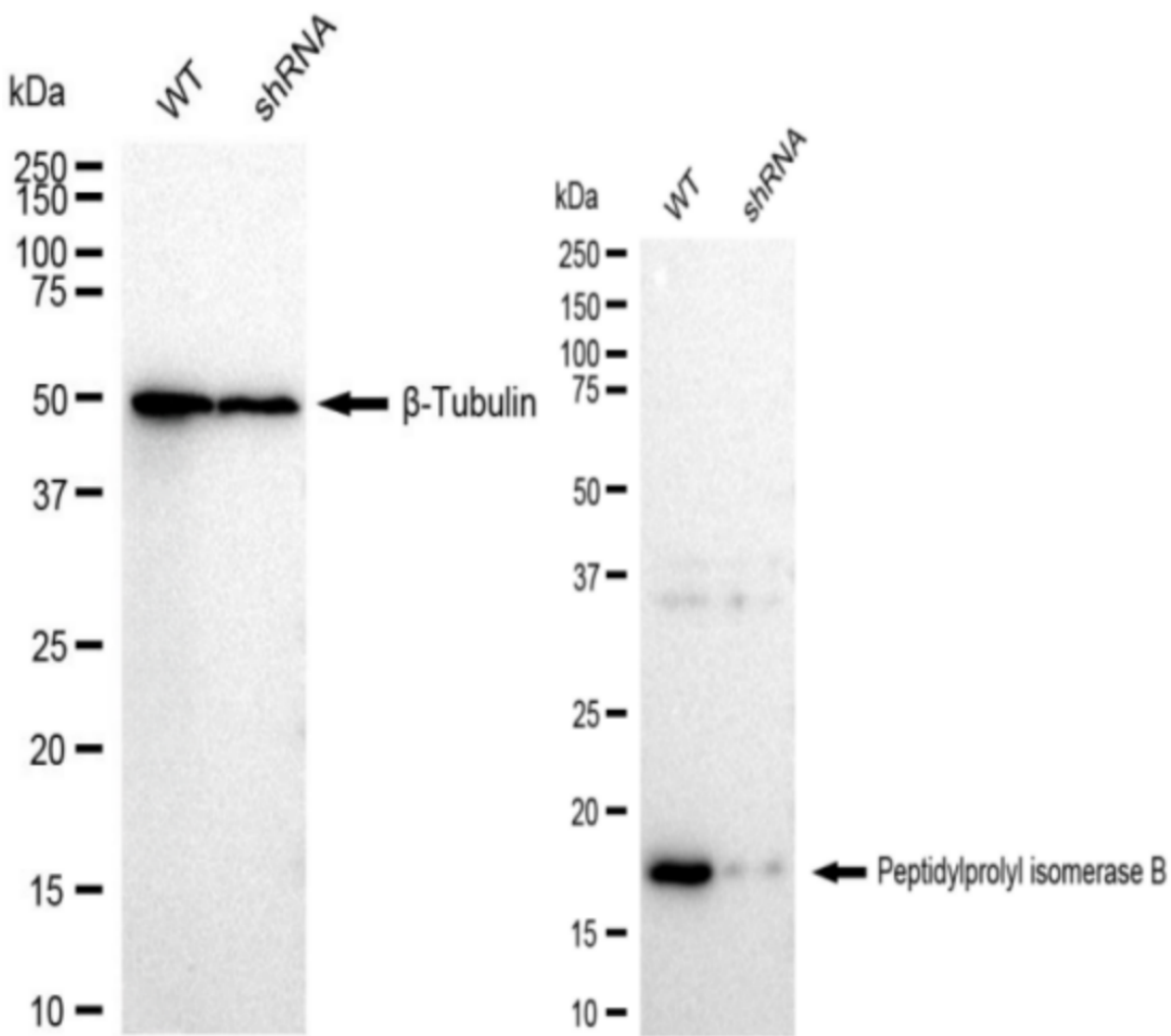
SALES@GENUINBIOTECH.COM
FAX: +1-540-855-7041

WWW.GENUINBIOTECH.COM



Genotype	Ct Value
Wild-Type	18.17
Knock-Down	20.48
Δ Ct (Ct _{KD} -Ct _{WT})	2.31
% mRNA Reduction	↓ 80%

RT-qPCR analysis. HeLa cells were infected with PPIB-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%.



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Western blotting analysis. PPIB 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#61118, 1:5,000) against PPIB and β -Tubulin, 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).