

Human PUM2 Knockdown Cell Line (WB-Validated)



Catalog #: C62524

Aliases

PUM2; Pumilio RNA Binding Family Member 2; PUMH2; KIAA0235; Pumilio Homolog 2; Pumilio-2; Pumilio Homolog 2 (Drosophila); PUMML2

Background

Gene Name: PUM2

NCBI Gene Entry: [23369](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human PUM2 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
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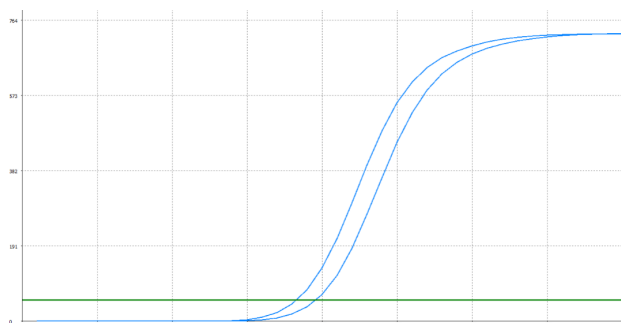
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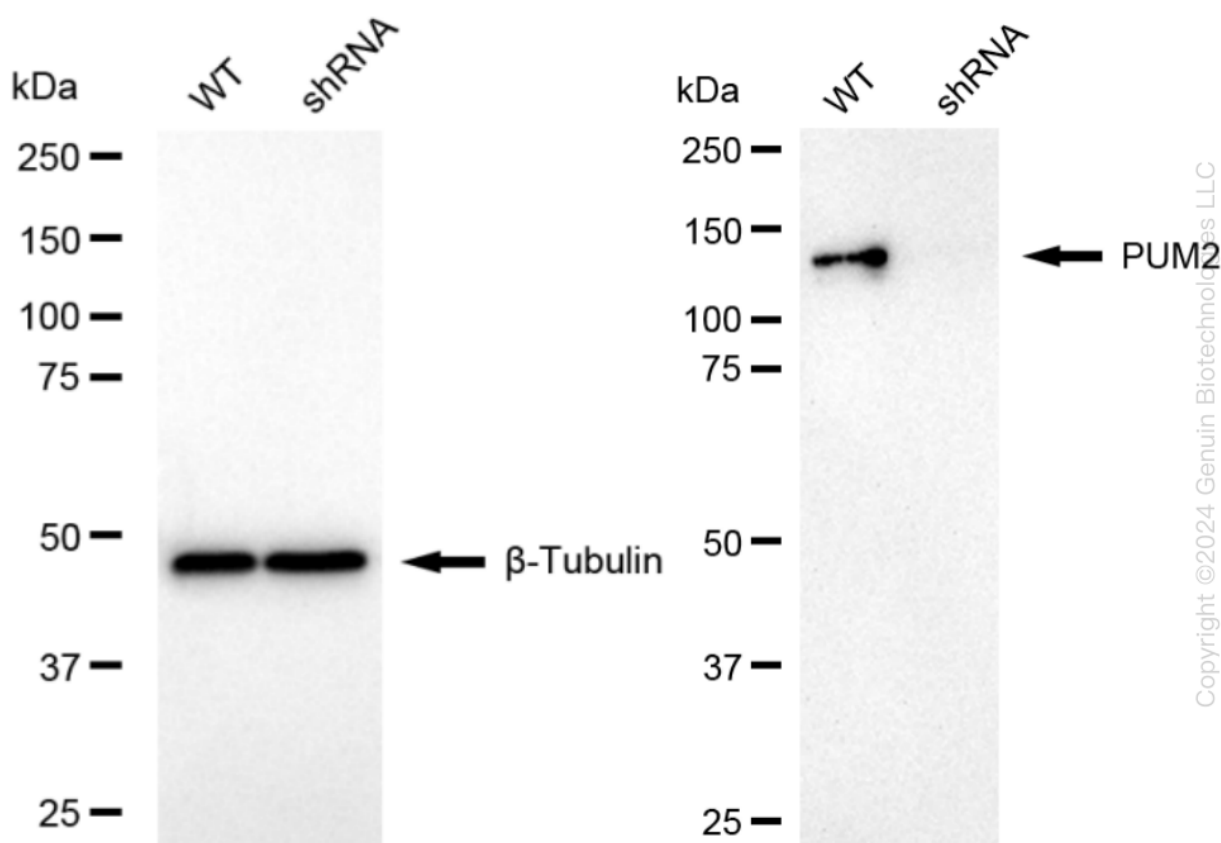
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Genotype	Ct Value
Wild-Type	18.22
Knock-Down	19.49
$\Delta Ct (Ct_{KD} - Ct_{WT})$	1.27
% mRNA Reduction	↓ 59%

RT-qPCR analysis. HeLa cells were infected with PUM2-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. PUM2 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 PUM2 and β -Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.

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