

Human LGALS3 Knockdown Cell Line (WB-Validated)



Catalog #: C61189

Aliases

LGALS3; Galectin 3; GALIG; Advanced Glycation End-Product Receptor 3; Lectin, Galactoside-Binding, Soluble, 3; Carbohydrate-Binding Protein 35; Galactose-Specific Lectin 3; Laminin-Binding Protein; IgE-Binding Protein; 35 KDa Lectin; Lectin L-29; Galectin-3; LGALS2; MAC-2; GALBP; MAC2; Epididymis Secretory Sperm Binding Protein; Galactoside-Binding Protein; MAC-2 Antigen; Mac-2; Antigen; CBP 35; CBP35; Gal-3; GAL3; L-31; L31

Background

Gene Name: LGALS3
NCBI Gene Entry: [3958](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human LGALS3 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

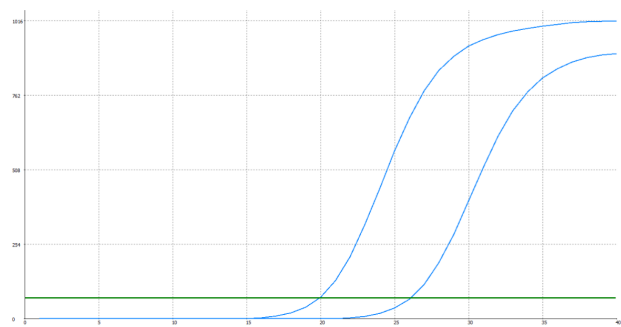
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Genotype	Ct Value
Wild-Type	19.96
Knock-Down	25.91
Δ Ct (Ct _{KD} -Ct _{WT})	5.95
% mRNA Reduction	↓ 98%

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RT-qPCR analysis. HeLa cells were infected with LGALS3-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: $(1-1/2^{\Delta\text{Ct}}) \times 100\%$.

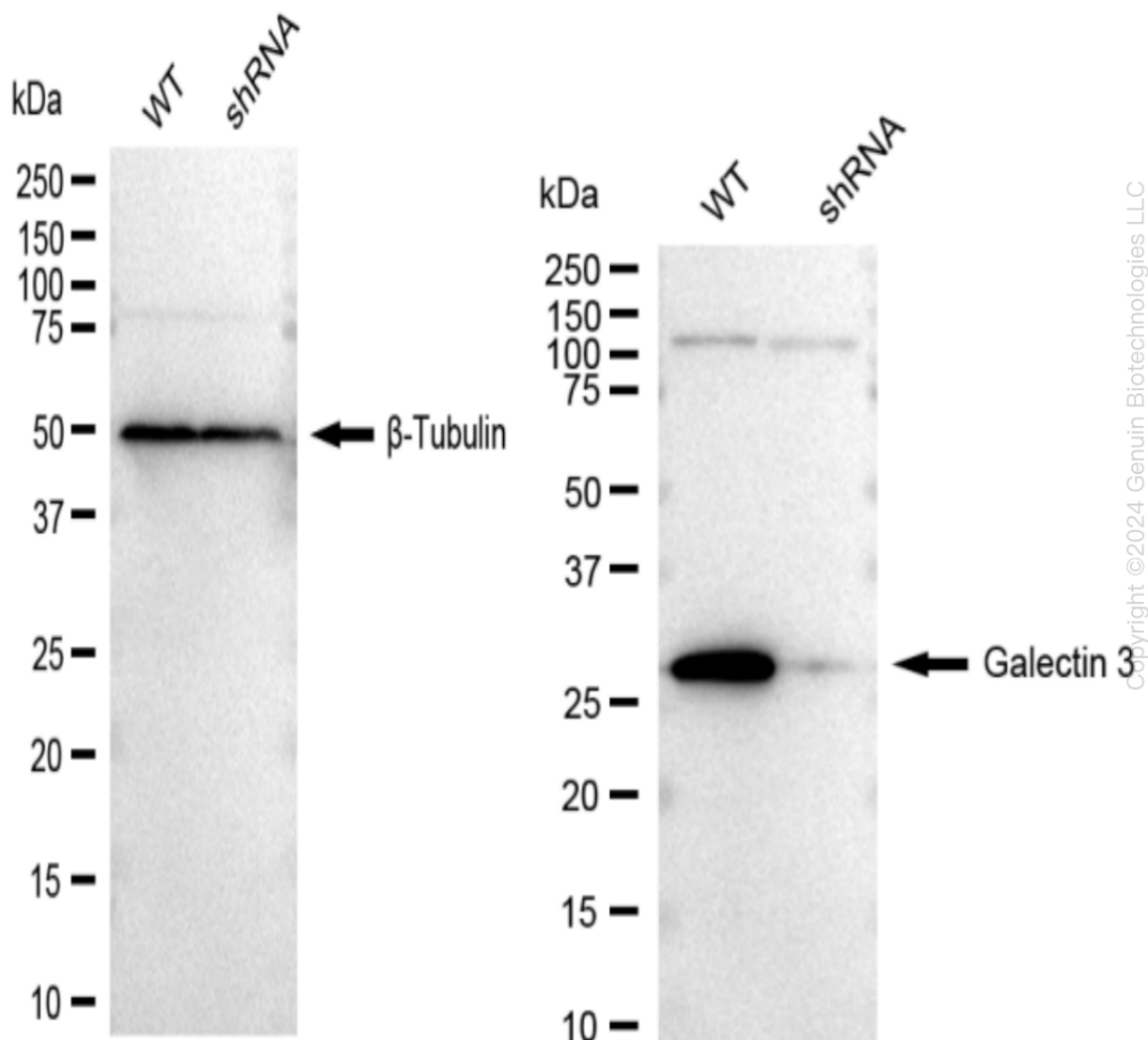
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Western blotting analysis. LGALS3 protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. β-Tubulin served as a loading control. The blots were incubated with primary antibodies (Cat#61189, 1:5,000) against LGALS3 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).