

Human C1QBP Knockdown Cell Line (WB-Validated)



Catalog #: C1166

Aliases

C1QBP; Complement C1q Binding Protein; Hyaluronan-Binding Protein 1; GC1Q-R; SF2p32; GC1qR; HABP1; P32; Complement Component 1 Q Subcomponent-Binding Protein, Mitochondrial; Complement Component 1, Q Subcomponent Binding Protein; Splicing Factor SF2-Associated Protein; C1q Globular Domain-Binding Protein; Mitochondrial Matrix Protein P32; ASF/SF2-Associated Protein P32; Glycoprotein GC1qBP; SF2AP32; GC1QBP; P33; GC1q-R Protein; COXPD33; SF2P32; C1qBP

Background

Gene Name: C1QBP

NCBI Gene Entry: [708](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human C1QBP 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

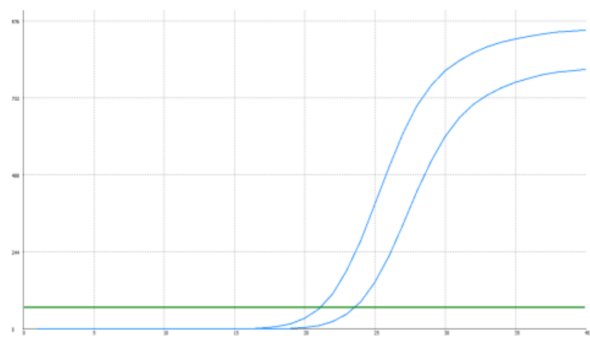
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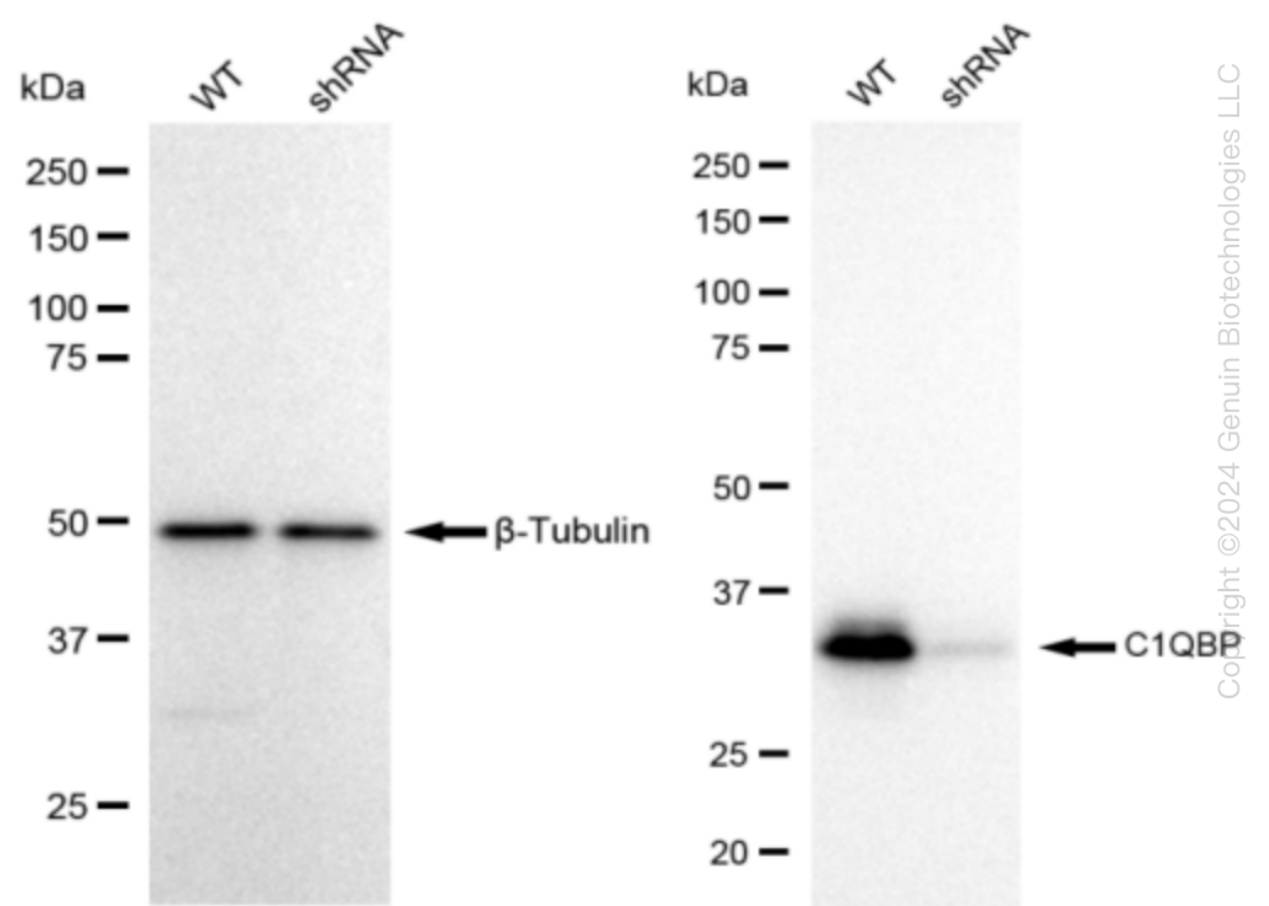
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Genotype	Ct Value
Wild-Type	21.09
Knock-Down	23.28
Δ Ct (Ct _{KD} -Ct _{WT})	2.19
% mRNA Reduction	↓ 78%

RT-qPCR analysis. HeLa cells were infected with C1QBP-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: $(1-1/2^{\Delta\text{Ct}}) \times 100\%$.



Western blotting analysis. C1QBP 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#61616, 1:5,000) against C1QBP 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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