Human AGO3 Knockdown Cell Line (WB-Validated)

Catalog #: C68651

Aliases

AGO3; Argonaute RISC Catalytic Component 3; EIF2C3; HAGO3; Eukaryotic Translation Initiation Factor 2C, 3; Protein Argonaute-3; FLJ12765; Eukaryotic Translation Initiation Factor 2C 3; Argonaute 3, RISC Catalytic Component; EC 3.1.26.N2; Argonaute 3; Argonaute3; EIF-2C 3; EIF2C 3; HAgo3

Background

Gene Name: AGO3
NCBI Gene Entry: 192669

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human AGO3 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.

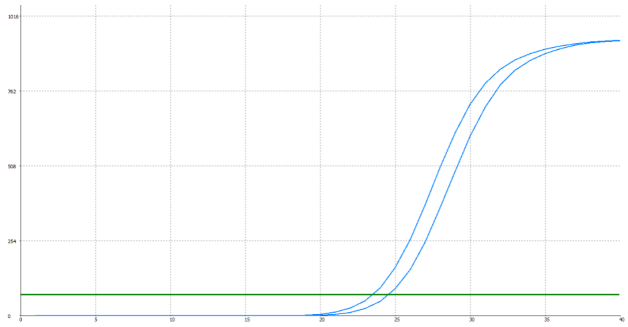
Instructions For Use

This knockdown cell line should be paired with wild-type cell line for use.

Note: This product is for research use only.

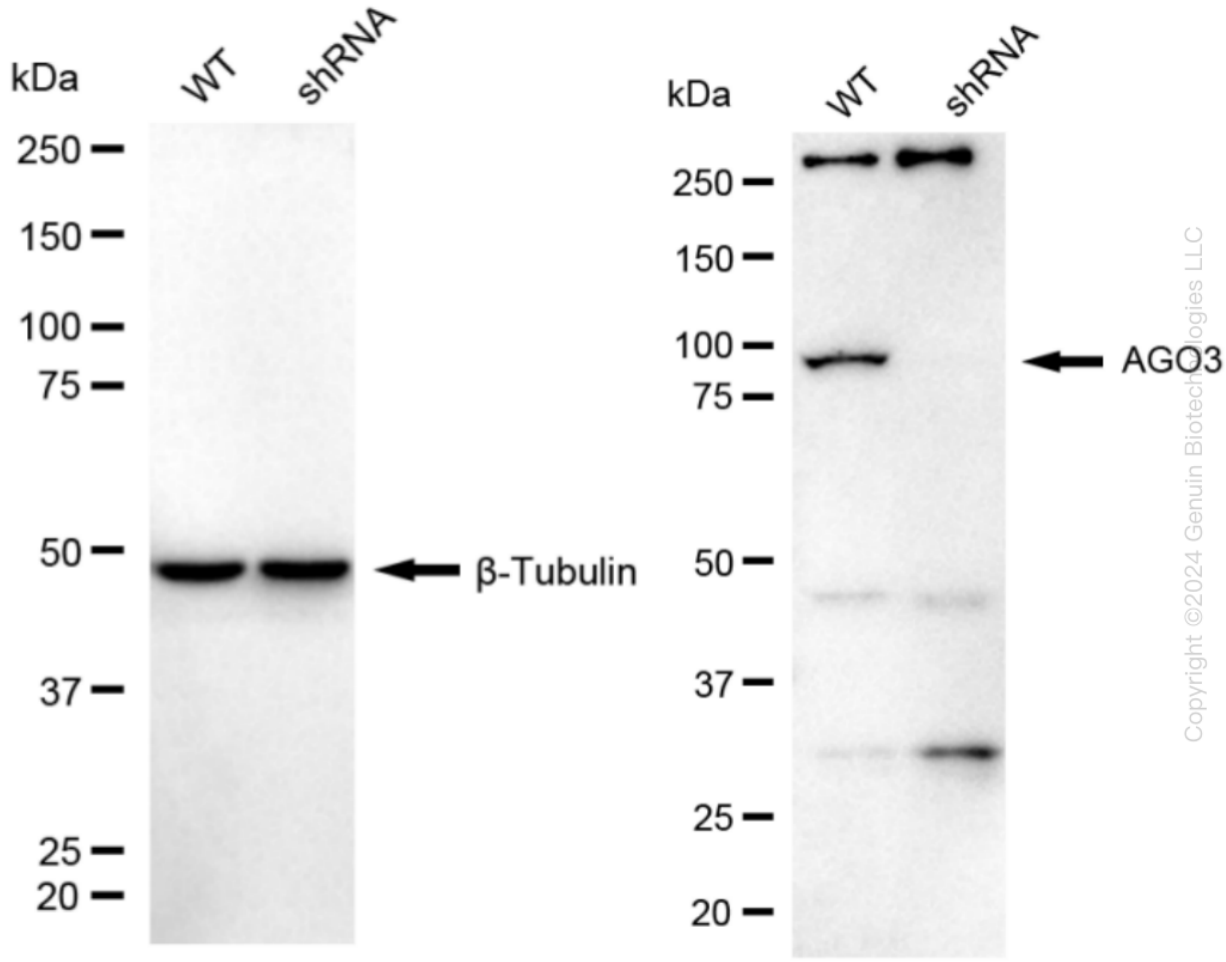
Validation Data

Human AGO3 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	23.35
Knock-Down	24.40
ΔCt (Ct_{KD}-Ct_{WT})	1.05
% mRNA Reduction	⬇ 52%

RT-qPCR analysis. HT-1080 cells were infected with AGO3-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. ΔCt (CtKD-CtWT) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: (1-1/2ΔCt) x 100%.



Western blotting analysis. AGO3 protein expression in wild-type (WT) and shRNA knockdown (KD) HT-1080 cells was detected using Western blotting. β-Tubulin served as a loading control. The blots were incubated with primary antibodies against AGO3 and β-Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.