Human ANXA4 Knockdown Cell Line (WB-Validated)

Catalog #: C63252

Aliases

ANXA4; Annexin A4; ANX4; CarbohydRate-Binding Protein P33/P41; Placental Anticoagulant Protein II; 35-Beta Calcimedin; Chromobindin-4; Lipocortin IV; Endonexin I; Protein II; Annexin-4; PAP-II; P32.5; PP4-X; Annexin IV (Placental Anticoagulant Protein II); Epididymis Secretory Protein Li 274; ProlifeRation-Inducing Protein 28; ProlifeRation-Inducing Gene 28; Annexin IV; HEL-S-274; PIG28; ZAP36

Background

Gene Name: ANXA4
NCBI Gene Entry: 307

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human ANXA4 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.

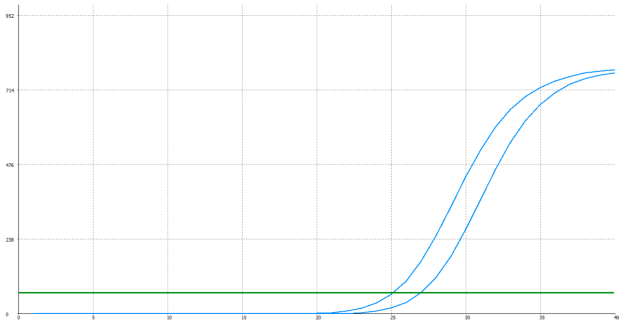
Instructions For Use

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

Note: This product is for research use only.

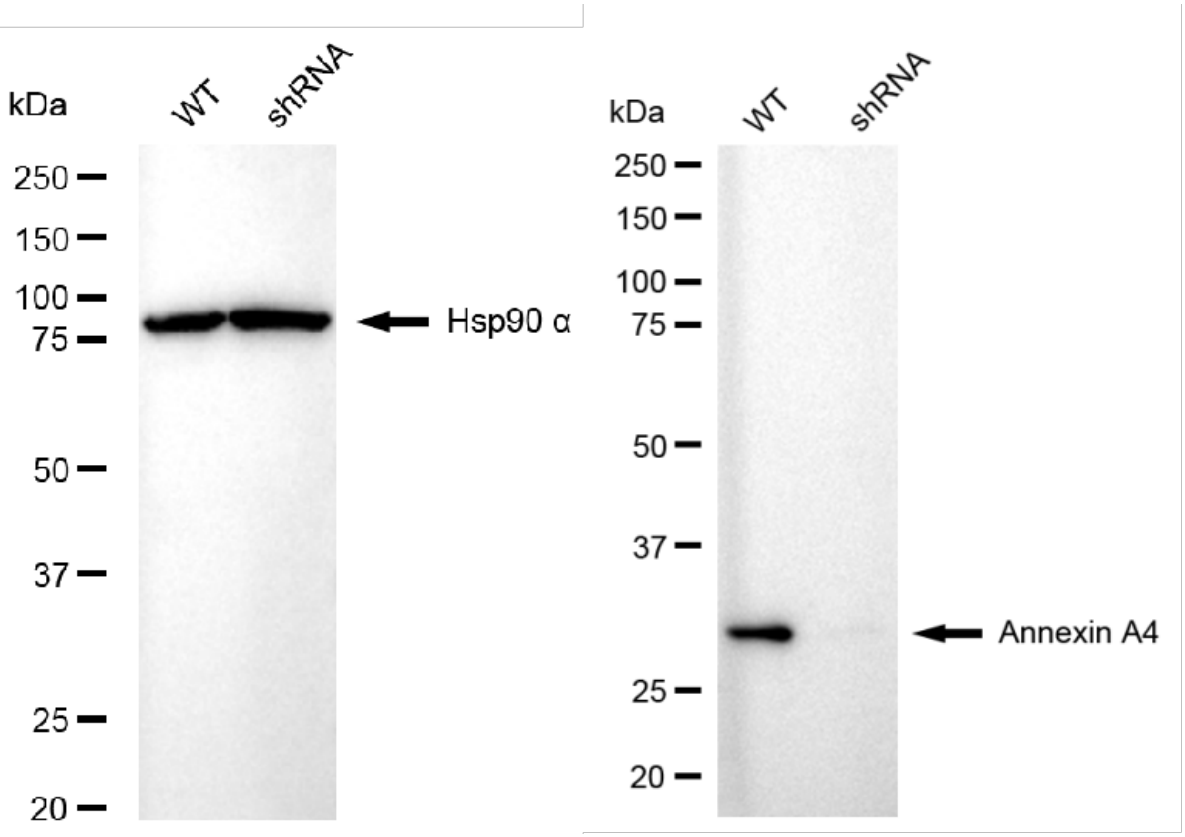
Validation Data

Human ANXA4 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	24.78
Knock-Down	26.59
$\Delta Ct\ (Ct_{KD}\text{-}Ct_{WT})$	1.81
% mRNA Reduction	⬇ 71%

RT-qPCR analysis. HeLa cells were infected with ANXA4-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. ANXA4 protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. Hsp90 α served as a loading control. The blots were incubated with primary antibodies against ANXA4 and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.