

# Human AKAP8 Knockdown Cell Line (WB-Validated)



**Catalog #: C61344**

## Aliases

AKAP8; A-Kinase Anchoring Protein 8; AKAP95; A Kinase (PRKA) Anchor Protein 8; A-Kinase Anchor Protein, 95kDa; A-Kinase Anchor Protein 8; DKFZp586B1222; AKAP 95; AKAP-8; A-Kinase Anchor Protein 95 KDa; AKAP-95

## Background

Gene Name: AKAP8

NCBI Gene Entry: [10270](#)

## Storage

Store at liquid nitrogen for 1 year.

## Kit Components

1. Human AKAP8 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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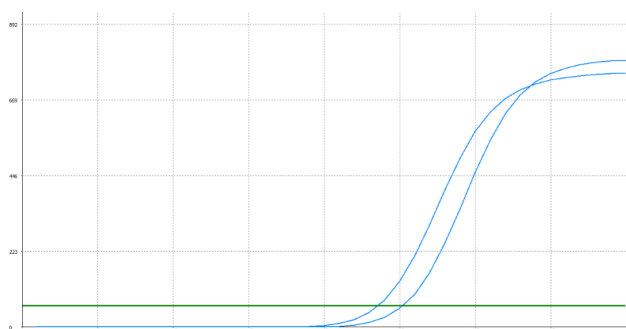
### SUPPORT

SUPPORT@GENUINBIOTECH.COM  
TEL: +1-540-855-7041

### ORDERS

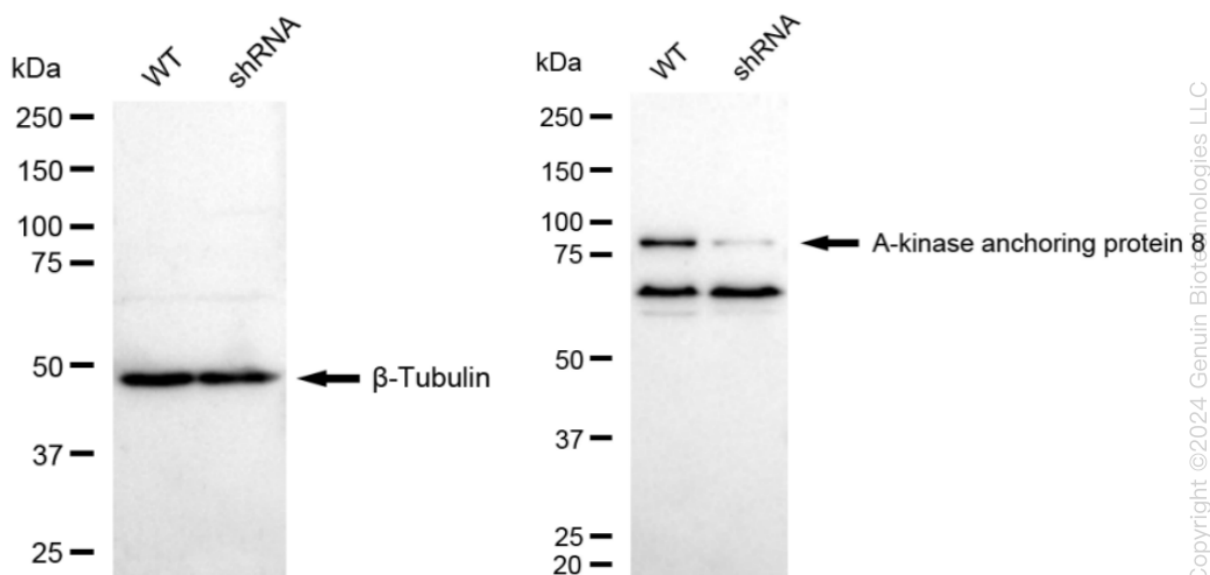
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Genotype	Ct Value
Wild-Type	23.28
Knock-Down	25.03
$\Delta Ct$ ( $Ct_{KD} - Ct_{WT}$ )	1.75
% mRNA Reduction	↓ 70%

RT-qPCR analysis. HeLa cells were infected with AKAP8-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. AKAP8 protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting.  $\beta$ -Tubulin served as a loading control. The blots were incubated with primary antibodies against AKAP8 and  $\beta$ -Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.