Human STAU1 Knockdown Cell Line (WB-Validated)

Catalog #: C63331

Aliases

STAU1; Staufen Double-Stranded RNA Binding Protein 1; PPP1R150; STAU; Double-Stranded RNA-Binding Protein Staufen Homolog 1; Protein Phosphatase 1, Regulatory Subunit 150; Staufen, RNA Binding Protein, Homolog 1 (Drosophila); Staufen (Drosophila, RNA-Binding Protein); Staufen, RNA Binding Protein (Drosophila); Staufen, RNA Binding Protein, Homolog 1

Background

Gene Name: STAU1
NCBI Gene Entry: 6780

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human STAU1 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.

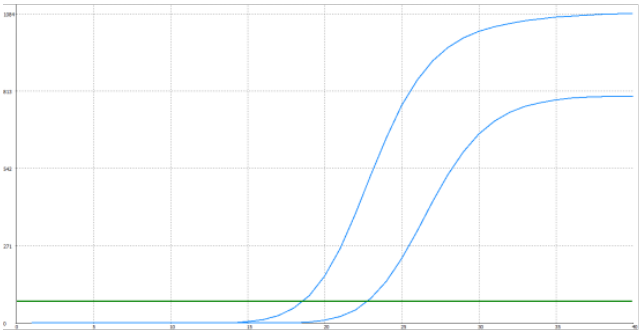
Instructions For Use

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

Note: This product is for research use only.

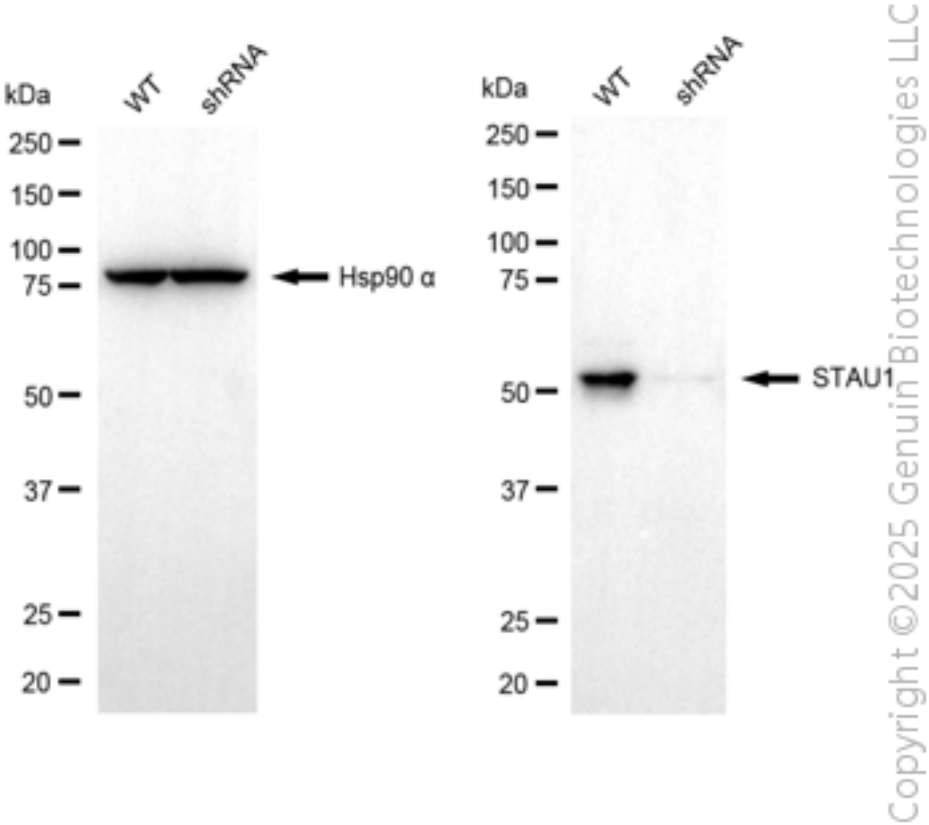
Validation Data

Human STAU1 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	18.58
Knock-Down	22.25
ΔCt (CtKD-CtWT)	3.67
% mRNA Reduction	92%

RT-qPCR analysis. HeLa cells were infected with STAU1-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. STAU1 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 STAU1 and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.