

# WB-V24lidated PEBP1 Knockdown Cell Line (WB-Validated)



**Catalog #: C62442**

## Aliases

Phosphatidylethanolamine Binding Protein 1; RKIP; PEBP; HCNP; PBP; Hippocampal Cholinergic Neurostimulating Peptide; Phosphatidylethanolamine-Binding Protein 1; Raf Kinase Inhibitory Protein; Raf Kinase Inhibitor Protein; Prostatic Binding Protein; Neuropolypeptide H3; HCNPpp; PEBP-1; Epididymis Secretory Protein Li 34; Epididymis Secretory Protein Li 96; Epididymis Luminal Protein 210; Prostatic-Binding Protein; HEL-S-34; HEL-S-96; HEL-210

## Background

Gene Name: PEBP1

NCBI Gene Entry: [5037](#)

## Storage

Store at liquid nitrogen for 1 year.

## Kit Components

1WB-V24lidated PEBP1 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

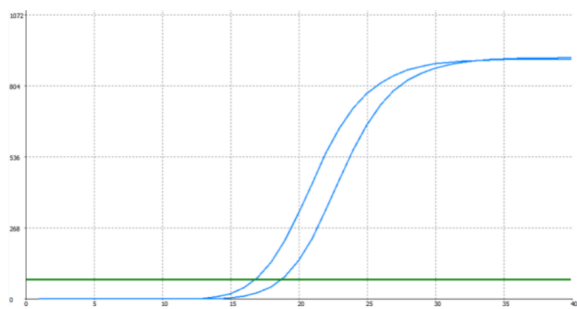
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### ORDERS

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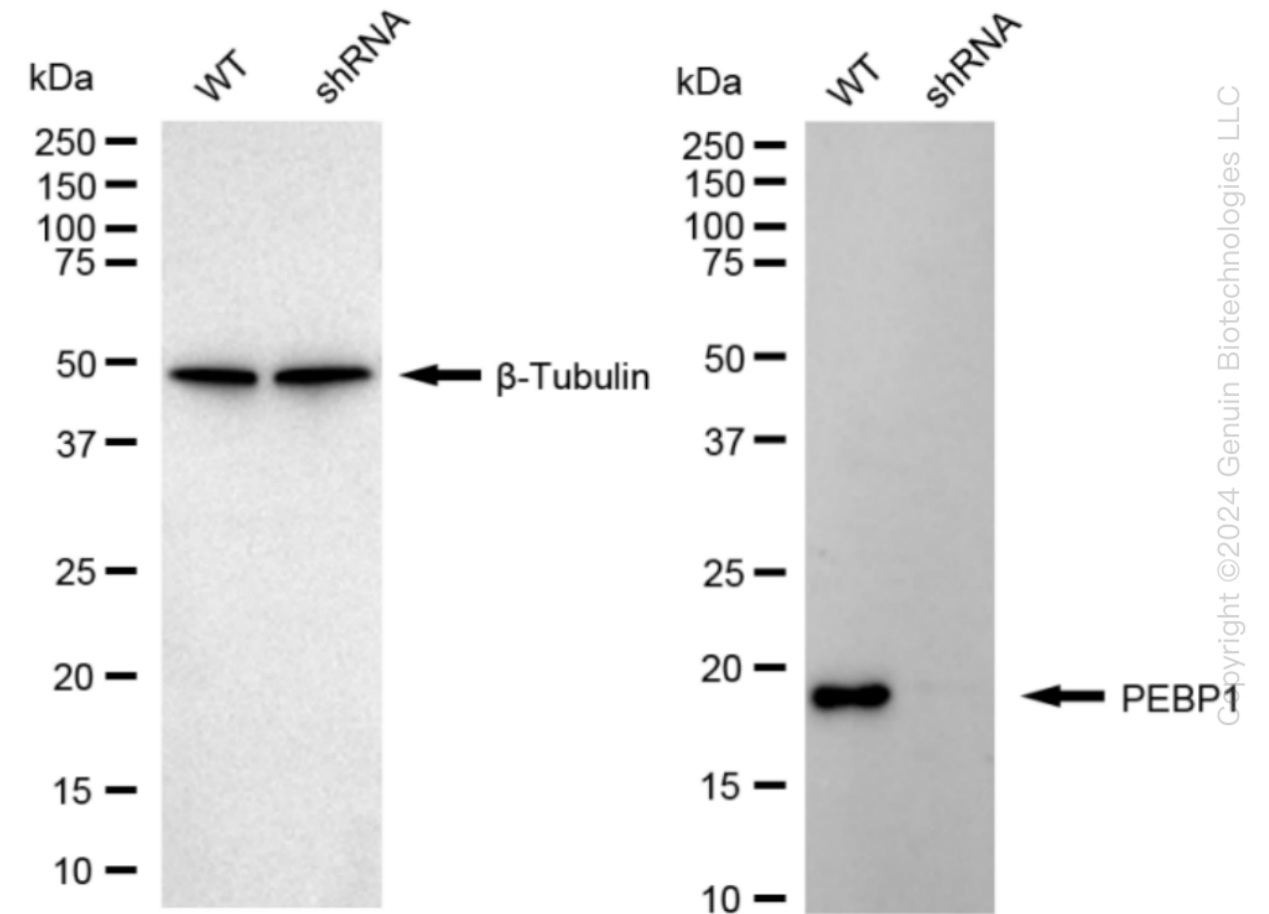
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WB-Validated PEBP1 Knockdown Cell Line  
(WB-Validated)



Genotype	Ct Value
Wild-Type	16.58
Knock-Down	18.48
$\Delta Ct (Ct_{KD}-Ct_{WT})$	1.90
% mRNA Reduction	↓ 73%

RT-qPCR analysis. HeLa cells were infected with PEBP1-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. PEBP1 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 (Cat#62442, 1:5,000) against PEBP1 and  $\beta$ -Tubulin, 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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