

For Research Use Only

# SREBF1 Recombinant antibody

Catalog Number: 82684-3-RR



## Basic Information

**Catalog Number:**

82684-3-RR

**Size:**

800 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG5219

**GenBank Accession Number:**

BC063281

**GeneID (NCBI):**

6720

**UNIPROT ID:**

P36956

**Full Name:**

sterol regulatory element binding transcription factor 1

**Calculated MW:**

1177 aa, 125 kDa

**Observed MW:**

68 kDa, 125 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

1P4

**Recommended Dilutions:**

WB 1:1000-1:8000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

Human

**Positive Controls:**

WB : HeLa cells, A549 cells, MCF-7 cells, K-562 cells

## Background Information

SREBF1, also named as BHLHD1 and SREBP1, contains one basic helix-loop-helix (bHLH) domain and belongs to the SREBP family. It is a transcriptional activator required for lipid homeostasis. The SREBPs are synthesized as precursors anchored to endoplasmic reticulum (ER) membranes and complexed with SCAP. When the cellular cholesterol level is low, SREBP-SCAP complexes move to the Golgi apparatus, where SREBPs undergo a two-step proteolytic processing, leading to the release of the mature form, an N-terminal fragment, i.e., basic helix-loop-helix leucine zipper transcription factor. These factors enter the nucleus where they bind to sterol regulatory elements (SRE) in the promoter regions of a number of genes whose products mediate the synthesis of cholesterol and fatty acids. [PMID: 21698267].

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

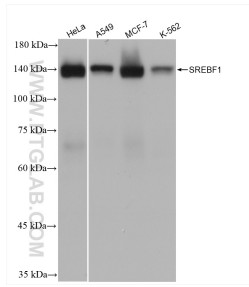
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 82684-3-RR (SREBF 1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.