

For Research Use Only

SREBF1 Recombinant antibody, PBS Only



Catalog Number: 82684-3-PBS

Basic Information

Catalog Number:

82684-3-PBS

Size:

1mg/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:

125 kDa

Purification Method:

Protein A purification

CloneNo.:

1P4

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

Human

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 -80°C.

Storage Buffer:

PBS Only

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

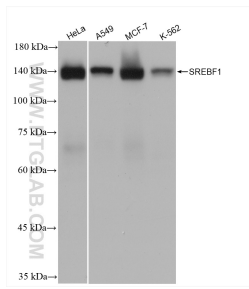
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Selected Validation Data



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. This data was developed using the same antibody clone with 82684-3-PBS in a different storage buffer formulation.