BT LAB
Bioassay Technology Laboratory
*Optimize Your Research*

# SREBP-1 (Acetyl-Lys324) Polyclonal Antibody

## Description

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|---|---|
| **Product type** | Primary Antibody |
| **Code** | BT-AP14465 |
| **Host** | Rabbit |
| **Isotype** | IgG |
| **Size** | 100ul, 50ul, 20ul |
| **Immunogen** | Synthesized peptide derived from human SREBP-1 (Acetyl-Lys324) |
| **Mol wt** | N/A |
| **Species reactivity** | Human, Mouse, Rat |
| **Clonality** | Polyclonal |
| **Recommended application** | IHC-p, IF, WB |
| **Concentration** | 1 mg/ml |
| **Full name** | SREBP-1 |
| **Synonyms** | SREBP-1 ;Acetyl-Lys324; Sterol regulatory element-binding protein 1; SREBP-1; Class D basic helix-loop-helix protein 1; bHLHd1; Sterol regulatory element-binding transcription factor 1; Processed sterol regulatory element-binding protein 1; |

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

## Background

This gene encodes a transcription factor that binds to the sterol regulatory element-1 (SRE1), which is a decamer flanking the low density lipoprotein receptor gene and some genes involved in sterol biosynthesis. The protein is synthesized as a precursor that is attached to the nuclear membrane and endoplasmic reticulum. Following cleavage, the mature protein translocates to the nucleus and activates transcription by binding to the SRE1. Sterols inhibit the cleavage of the precursor, and the mature nuclear form is rapidly catabolized, thereby reducing transcription. The protein is a member of the basic helix-loop-helix-leucine zipper (bHLH-Zip) transcription factor family. This gene is located within the Smith-Magenis syndrome region on chromosome 17.

## Recommended Dilution

WB: 1: 500 - 1: 2000

IHC-p: 1: 50 - 1: 200

Not yet tested in other applications.

## Images

No images.

## Storage

-20°C for 1 year

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