

Datasheet for ABIN7217110

anti-SREBF1 antibody**2** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	SREBF1
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SREBF1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	SREBP-1 Polyclonal Antibody
Immunogen:	Synthesized peptide derived from human SREBP-1 around the non-phosphorylation site of S439
Isotype:	IgG
Specificity:	SREBP-1 Polyclonal Antibody detects endogenous levels of SREBP-1 protein.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen

Target Details

Target:	SREBF1
Alternative Name:	SREBP-1 (SREBF1 Products)
Background:	Rabbit Anti-SREBP-1 Polyclonal Antibody, SREBF1, BHLHD1, SREBP1, Sterol regulatory element-

Target Details

binding protein 1, SREBP-1, Class D basic helix-loop-helix protein 1, bHLHd1, Sterol regulatory element-binding transcription factor 1, SREBF1 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. Sterol regulatory element-binding protein 1 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., Sterol regulatory element-binding protein 1

Molecular Weight: observed band 122kDa

Gene ID: 6720

UniProt: [P36956](#)

Pathways: [AMPK Signaling](#), [Caspase Cascade in Apoptosis](#), [Negative Regulation of Hormone Secretion](#), [Regulation of Lipid Metabolism by PPARalpha](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IHC-P (1:100-1:300), ELISA (1:20000). Not yet tested in other applications.

Comment: Primary Antibody

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: PBS containing 50 % Glycerol, 0.5 % BSA and 0.02 % Sodium Azide.

Preservative: Sodium azide

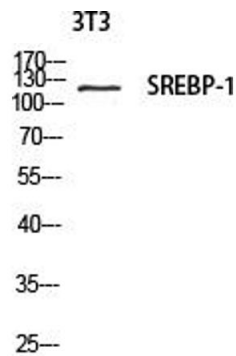
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C

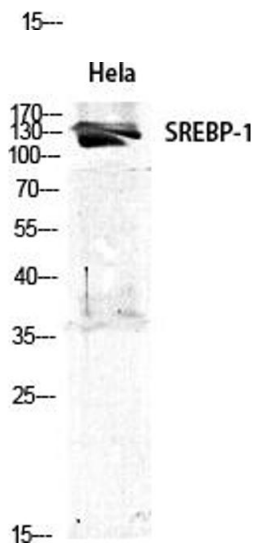
Storage Comment: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western blot analysis of 3T3 lysate using SREBP-1 antibody. Antibody was diluted at 1:1000.



Western Blotting

Image 2. Western Blot analysis of various cells using SREBP-1 Polyclonal Antibody diluted at 1:1000.