Datasheet for ABIN2780569

anti-SREBF1 antibody (N-Term)

2 Images

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Overview

Quantity:	100 µL
Target:	SREBF1
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Cow, Goat, Horse, Guinea Pig, Rabbit, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SREBF1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human SREBF1
Sequence:	AGRGRANGLD APRAGADRGA MDCTFEDMLQ LINNQDSDFP GLFDPPYAGS
Predicted Reactivity:	Cow: 93%, Dog: 100%, Goat: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against SREBF1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	SREBF1

Target Details

Alternative Name:	SREBF1 (SREBF1 Products)
Background:	SREBF1is 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.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. Two transcript variants encoding different isoforms have been found for this gene. Alias Symbols: SREBP1, bHLHd1, SREBP-1c Protein Interaction Partner: UBC, ERLIN2, FBXW7, SMARCD3, HSP90AA1, SUMO1, ATXN1L, INSIG2, SCAP, ATXN1, LMNA, INSIG1, EGF, SREBF2, SREBF1, ZBTB7A, ZBTB7C, SUMO2, MED6, MED13, MED12, MED24, MED26, MED17, MED23, MED14, USF1, MED1, GSK3B, CREBBP, CDK8, MED25, MED15, MED7, MED21, SIRT1, Protein Size: 1177
Molecular Weight:	125 kDa
Gene ID:	6720
NCBI Accession:	NM_001005291, NP_001005291
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.

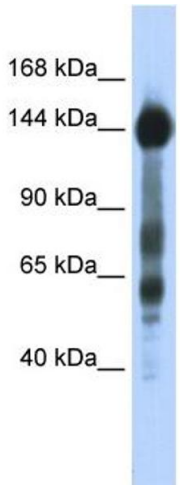
Application Details

Comment:	Antigen size: 1177 AA
Restrictions:	For Research Use only

Handling

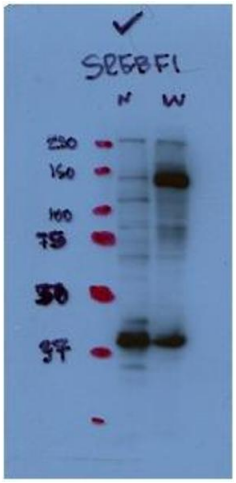
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-SREBF1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Transfected 293T



Western Blotting

Image 2. WB Suggested Antibody Titration: 1:1,000 Positive Control: HepG2