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www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 600-401-MN1

SREBP1 Antibody

Overview

Description:	Anti-SREBP1 (RABBIT) Antibody - 600-401-MN1
Item No.:	600-401-MN1
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	SREBF1 (Sterol Regulatory Element Binding Transcription Factor 1) is a transcriptional activator required for lipid homeostasis. It regulates transcription of the LDL receptor gene as well as the fatty acid and to a lesser degree the cholesterol synthesis pathway. It binds to the sterol regulatory element 1 (SRE-1) (5-ATCACCCCAC-3), which is a motif that is found in the promoter of the low-density lipoprotein receptor gene and other genes involved in sterol biosynthesis. SREBP1 has dual sequence specificity binding to both an E-box motif (5-ATCACGTGA-3) and to SRE-1 (5-ATCACCCCAC-3). Anti-SREBP1 Antibody is useful for researchers interested in Fatty Liver Disease, Smith-Magenis Syndrome, Adipogenesis, DNA binding transcription factor activity and chromatin binding.
Synonyms:	Rabbit Anti-SREBP1 Antibody, Rabbit Anti-Sterol Regulatory Element Binding Transcription Factor 1 Antibody, Class D Basic Helix-Loop-Helix Protein 1, SREBP1, BHLHd1, Sterol Regulatory Element-Binding Transcription Factor 1, Sterol Regulatory Element-Binding Protein 1, SREBP-1, BHLHD1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SREBF1
Reactivity:	Human

Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-SREBP1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a N-terminal portion of human SREBP1 conjugated to Keyhole Limpet Hemocyanin (KLH).
Purity/Specificity:	This affinity purified antibody is directed against human SREBP1. This product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest cross-reactivity with the antigen based on 100% homology with the immunizing sequence with human, 92.9% with swine, and 85.7% with rat.
Relevant Links:	• UniProtKB - P36956 • NCBI - NP_001005291.1 • GeneID - 6720

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-SREBP1 Antibody has been tested in ELISA and WB. Expect reactivity with different human isoforms and a band at ~124.6, ~121.7, ~113.6, ~48.3kDa in western blot using appropriate tissue or lysates. Positive control used: HeLa and A549 lysates in Western Blot.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:50,000
WB:	5 µg/ml

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/ml by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice

Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.