

SREBF1 polyclonal antibody (DyLight 650)

Catalog # PAB15197

Size 100 uL

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SREBF1.
Immunogen	A synthetic peptide corresponding to residues within 300-400 of human SREBF1.
Host	Rabbit
Reactivity	Mouse, Pig, Rat
Specificity	This is specific to SREBP1. By Western blot a band is seen at ~65KDa.
Form	Liquid
Conjugation	DyLight 650
Purification	Immunogen affinity purification
Recommend Usage	Immunocytochemistry/Immunofluorescence Immunohistochemistry Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM sodium borate (0.05% sodium azide).
Storage Instruction	Store at 4°C in the dark.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunohistochemistry
- Immunocytochemistry
- Immunofluorescence

Gene Info — SREBF1

Entrez GeneID [6720](#)

Protein Accession# [P36956](#)

Gene Name SREBF1

Gene Alias SREBP-1c, SREBP1, bHLHd1

Gene Description sterol regulatory element binding transcription factor 1

Omim ID [184756](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 transcripts encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations sterol regulatory element binding protein-1

Pathway

- [Insulin signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Arteriosclerosis](#)

- [Atherosclerosis](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Dementia](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Fatty Liver](#)
- [Femur Head Necrosis](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Hyperlipidemias](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Renal Insufficiency](#)
- [Schizophrenia](#)

- [Weight Gain](#)
- [Werner syndrome](#)