

## Datasheet

### SREBF1 polyclonal antibody (DyLight 649)

**Catalog Number:** PAB15197

**Regulatory Status:** For research use only (RUO)

**Product Description:** Rabbit polyclonal antibody raised against synthetic peptide of SREBF1.

**Immunogen:** A synthetic peptide corresponding to amino acids 300-400 of human SREBF1.

**Host:** Rabbit

**Reactivity:** Mouse, Pig, Rat

**Applications:** WB

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Specificity:** This is specific to SREBP1. By Western blot a band is seen at ~65KDa.

**Form:** Liquid

**Conjugation:** DyLight 649

**Recommend Usage:** Western Blot (2 ug/mL)

The optimal working dilution should be determined by the end user.

**Storage Buffer:** In 50 mM sodium borate

**Storage Instruction:** Store at 4°C. Do not freeze.

**Entrez GeneID:** 6720

**Gene Symbol:** SREBF1

**Gene Alias:** SREBP-1c, SREBP1, bHLHd1

**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 transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]