

[KD Validated] SREBF1 Rabbit pAb

Catalog No.: A15586SP

Basic Information

Observed MW

125 kDa

Calculated MW

122 kDa

Category

Primary antibody

Applications

WB,IF-F,IP,IHC-P,ChIP,ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

This gene encodes a basic helix-loop-helix-leucine zipper (bHLH-Zip) transcription factor that binds to the sterol regulatory element-1 (SRE1), which is a motif that is found in the promoter of the low density lipoprotein receptor gene and other genes involved in sterol biosynthesis. The encoded protein is synthesized as a precursor that is initially attached to the nuclear membrane and endoplasmic reticulum. Following cleavage, the mature protein translocates to the nucleus and activates transcription. This cleavage is inhibited by sterols. This gene is located within the Smith-Magenis syndrome region on chromosome 17. Alternative promoter usage and splicing result in multiple transcript variants, including SREBP-1a and SREBP-1c, which correspond to RefSeq transcript variants 2 and 3, respectively.

Recommended Dilutions

WB 1:1000 - 1:2000

IF-F 1:200 - 1:400

IP 0.5 µg - 4 µg antibody for
400 µg - 600 µg extracts
of whole cells

IHC-P 1:200 - 1:400

ChIP 2 µg antibody for 10 µg -
15 µg of Chromatin

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

6720

Swiss Prot

P36956

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

HMD; IFAP2; SREBP1; bHLHd1

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide. May contain 0.05% BSA as specified on the Certificate of Analysis.

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