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## SREBP1 Rabbit pAb

Catalog Number: bs-1402R

Target Protein: SREBP1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Mouse, Rat (predicted:Sheep, Chicken)

Predicted MW: 54/126 kDa

Entrez Gene: 6720

Swiss Prot: P36956

Source: KLH conjugated synthetic peptide derived from human SREBP-1: 301-450/1147.

Purification: affinity purified by Protein A

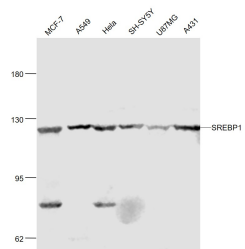
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

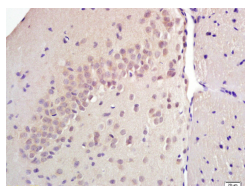
**Background:** This gene encodes a transcription factor that binds to the sterol regulatory element-1 (SRE1), which is a decamer flanking the low density lipoprotein receptor gene and some genes involved in sterol biosynthesis. The protein is synthesized as a precursor that is attached to the nuclear 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, Jul 2008]

### VALIDATION IMAGES

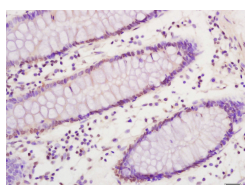
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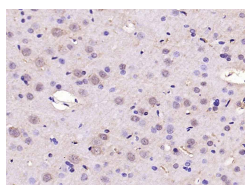
Sample: MCF-7(Human) Cell Lysate at 30 ug A549(Human) Cell Lysate at 30 ug HeLa(Human) Cell Lysate at 30 ug SH-SY5Y(Human) Cell Lysate at 30 ug U87MG(Human) Cell Lysate at 30 ug A431(Human) Cell Lysate at 30 ug Primary: Anti-SREBP1 (bs-1402R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 124/65 kD Observed band size: 124 kD



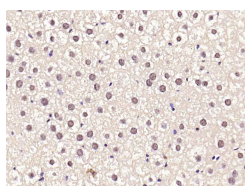
Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SREBP-1) Polyclonal Antibody, Unconjugated (bs-1402R) at 1:200 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



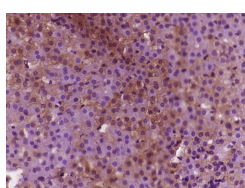
Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SREBP-1) Polyclonal Antibody, Unconjugated (bs-1402R) at 1:200 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SREBP1) Polyclonal Antibody, Unconjugated (bs-1402R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SREBP1) Polyclonal Antibody, Unconjugated (bs-1402R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat adrenal gland); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SREBP1) Polyclonal Antibody, Unconjugated (bs-1402R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

## PRODUCT SPECIFIC PUBLICATIONS

[IF=9.225] Nora Helmrich. et al. Pharmacological Antagonization of Cannabinoid Receptor 1 Improves Cholestasis in Abcb4<sup>-/-</sup> Mice. Cell Mol Gastroenter. 2021 Dec;; WB ; Mouse . 34954190

[IF=7.67] Zhang, Xian, et al. "ROS-induced TXNIP drives fructose-mediated hepatic inflammation and lipid accumulation through NLRP3 inflammasome activation."Antioxidants and Redox Signaling ja (2015). WB ; ="Rat" . 25602171

[IF=8.073] Shuang-Feng Xu. et al. Astrocyte-specific loss of lactoferrin influences neuronal structure and function by interfering with cholesterol synthesis. GLIA. 2022 Aug;; WB ; Mouse . 35946355

[IF=6.9] Dongmei Qin. et al. Lupeol improves bile acid metabolism and metabolic dysfunction-associated steatotic liver disease in mice

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

via FXR signaling pathway and gut-liver axis. BIOMED PHARMACOTHER. 2024 Aug;177:116942 WB ; Mouse . 38889641

[IF=6.15] Hu, Shuang. et al. Deletion of p38γ attenuates ethanol consumption- and acetaminophen-induced liver injury in mice through promoting Dlg1. Acta Pharmacol Sin. 2021 Nov;:1-16 WB ; Mouse . 34789918