bs-1402R **[Primary Antibody]**

SREBP1 Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 6720 **SWISS:** P36956

Target: SREBP1

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

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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]

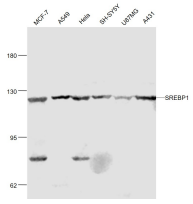
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

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

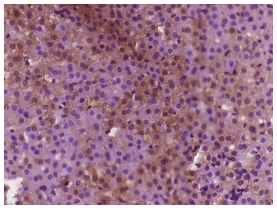
Predicted MW.: 54/126 kDa

Subcellular Location: Cytoplasm ,Nucleus

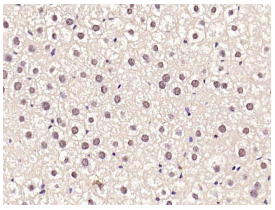
VALIDATION IMAGES



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: 54/126 kD Observed band size: 124 kD



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) instructionsand 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) instructionsand DAB staining.

SELECTED CITATIONS

- **[IF=9.225]** Nora Helmrich. et al. Pharmacological Antagonization of Cannabinoid Receptor 1 Improves Cholestasis in Abcb4-/- 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=8.3]** Xue Wang. et al. Integrated Metabolomics and Network Pharmacology Reveal the PI3K/Akt-Mediated Therapeutic Mechanism of Abrus cantoniensis in Lipid Metabolism Disorders. PHYTOMEDICINE. 2025 Jun;:156953 WB ;Mouse. 40517619
- **[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 via FXR signaling pathway and gut-liver axis. BIOMED PHARMACOTHER. 2024 Aug;177:116942 WB ;Mouse. 38889641