bs-1402R

[Primary Antibody]

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DATASHEET -

Isotype: IgG

Host: Rabbit Clonality: Polyclonal

SREBP1 Rabbit pAb

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: IHC-P (1:200-500)

IHC-F (1:200-500) **IF** (1:200-500)

Reactivity: Human, Mouse, Rat

(predicted: Sheep, Chicken)

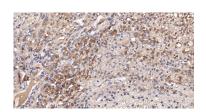
Predicted 54/126 kDa

Subcellular Cytoplasm ,Nucleus

VALIDATION IMAGES



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 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining



Paraformaldehyde-fixed, paraffin embedded (human 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 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and 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