bs-3862R **[Primary Antibody]**

SCAP Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 22937 **SWISS:** Q12770

Target: SCAP

Immunogen: KLH conjugated synthetic peptide derived from human SCAP: 251-350/1279.

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 protein with a sterol sensing domain (SSD) and seven WD domains. In the presence of cholesterol, this protein binds to sterol regulatory element binding proteins (SREBPs) and mediates their transport from the ER to the Golgi. The SREBPs are then proteolytically cleaved and regulate sterol biosynthesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]

Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ELISA (1:5000-10000)

Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Pig, Chicken, Dog, Horse)

Predicted MW.: 140 kDa

Subcellular Location: Cell membrane ,Cytoplasm

SELECTED CITATIONS

- **[IF=6.7]** Ying-Jie Dong. et al. Beneficial effects of Dendrobium officinale National Herbal Drink on metabolic immune crosstalk via regulate SCFAs-Th17/Treg. PHYTOMEDICINE. 2024 Jun;:155816 IHC ;Mouse. 38964158
- **[IF=4.12]** Chen et al. Overexpression of Insig-2 inhibits atypical antipsychotic-induced adipogenic differentiation and lipid biosynthesis in adipose-derived stem cells. (2017) Sci.Rep. 7:10901 WB ;Rat. 28883496
- **[IF=2.705]** Zhao Z et al. Cholesterol attenuated the progression of DEN-induced hepatocellular carcinoma via inhibiting SCAP mediated fatty acid de novo synthesis. Biochem Biophys Res Commun. 2019 Feb 19;509(4):855-861. WB ;Mouse. 30638930
- **[IF=2.629]** Mei Hui. et al. The Hypolipidemic Effect of Dalbergia odorifera T. C. Chen Leaf Extract on Hyperlipidemic Rats and Its Mechanism Investigation Based on Network Pharmacology. Evid-Based Compl Alt. 2021;2021:3155266 WB ;Rat. 34987591
- **[IF=2.65]** Huiming Hu. et al. The Hypolipidemic Effect of Hawthorn Leaf Flavonoids through Modulating Lipid Metabolism and Gut Microbiota in Hyperlipidemic Rats.. EVID-BASED COMPL ALT. 2022 Nov;2022:3033311-3033311 WB ;Rat. 36425260