BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-SCAP Antibody (N-term)

Catalog Number: M04507

About SCAP

Escort protein required for cholesterol as well as lipid homeostasis. Regulates export of the SCAP/SREBF complex from the ER upon low cholesterol. Formation of a ternary complex with INSIG at high sterol concentrations leads to masking of an ER-export signal in SCAP and retention of the complex in the ER. Low sterol concentrations trigger release of INSIG, a conformational change in the SSC domain of SCAP, unmasking of the ER export signal, recruitment into COPII-coated vesicles, transport to the Golgi complex, proteolytic cleavage of SREBF in the Golgi, release of the transcription factor fragment of SREBF from the membrane, its import into the nucleus and up-regulation of LDLR, INSIG1 and the mevalonate pathway (By similarity).

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Overview

Product Name	Anti-SCAP Antibody (N-term)
Reactive Species	Human
Description	Boster Bio Anti-SCAP Antibody (N-term) (Catalog # M04507). Tested in WB application(s). This antibody reacts with Human.
Application	WB
Clonality	Monoclonal 1992C245.37.16
Formulation	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Mouse
Uniprot ID	Q12770

Technical Details

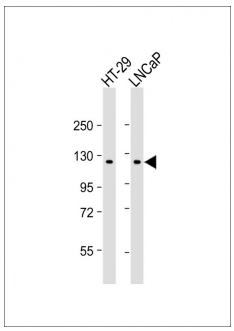
Immunogen	This SCAP antibody is generated from a mouse immunized with a KLH conjugated synthetic peptide between 49-83 amino acids from the N-terminal region of human SCAP.
Predicted Reactive Species	Chicken, Mouse

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Isotype	IgG1,kappa
Purification	This antibody is purified through a protein G column, followed by dialysis against PBS.
Suggested Dilutions	WB: 1:4000

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Anti-SCAP Antibody (N-term) (M04507) Images



All lanes : Anti-SCAP Antibody (N-term) at 1:4000 dilutionLane 1: HT-29 whole cell lysateLane 2: LNCaP whole cell lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 140 kDaBlocking/Dilution buffer: 5% NFDM/TBST.

Anti-SCAP Antibody (N-term)

For Research Use Only. Not for use in diagnostic procedures.