

bsm-51702M**[Primary Antibody]****SCAP Mouse mAb****BioSS**
ANTIBODIES

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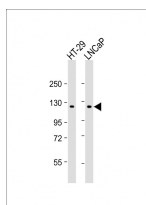
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— DATASHEET —

Host: Mouse	Isotype: IgG1,K	Applications: WB (1:500-2000)
Clonality: Monoclonal	CloneNo.: B7T5	
GeneID: 22937	SWISS: Q12770	
Target: SCAP		
Immunogen: KLH conjugated synthetic peptide derived from human SCAP: 41-140/1279.		
Purification: affinity purified by Protein G		Reactivity: Human
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.		Predicted MW.: 140 kDa
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]		Subcellular Location: Cell membrane ,Cytoplasm

— VALIDATION IMAGES —

Sample: Lane 1: HT-29 cell lysates Lane 2: LNCaP cell lysates
Primary: Anti-SCAP (bsm-51702M) at 1/4000 dilution
Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution
Predicted band size: 140 kD Observed band size: 120 kD

— SELECTED CITATIONS —

- **[IF=2.6]** Mi-Hua Liu. et al. SARS-CoV-2 nucleocapsid protein promotes TMAO-induced NLRP3 inflammasome activation by SCAP-SREBP signaling pathway. TISSUE CELL. 2024 Feb;86:102276 WB ;. 37979395