

SCAP Antibody (N-term)

Catalog_no :	AB3753
Reactivity :	H
Category :	抗原抗体
Size :	100μL/50μL
Immunogen :	HUMAN
Specificity :	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.
Dilution :	WB,1:4000;
Other_name :	Sterol regulatory element-binding protein cleavage-activating protein, SCAP, SREBP cleavage-activating protein, SCAP, KIAA0199
Isotype :	IgG1, κ
Background :	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).
reference :	Nakajima T.,et al.J. Hum. Genet. 44:402-407(1999). Nagase T.,et al.DNA Res. 3:17-24(1996). Nakajima D.,et al.DNA Res. 9:99-106(2002). Ota T.,et al.Nat. Genet. 36:40-45(2004). Otsuki T.,et al.DNA Res. 12:117-126(2005).