

## SCAP (Phospho-Tyr300) Antibody

Catalog No: #SAB626

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## Description

Product Name	SCAP (Phospho-Tyr300) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was purified from rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Applications	WB
Species Reactivity	Human, Mouse
Specificity	SCAP(Phospho-Tyr300) Antibody detects endogenous levels of SCAP only when phosphorylated at Tyr300.
Immunogen Description	A synthesized peptide derived from human SCAP around the phosphorylation site of Tyr300.
Other Names	SCAP, SREBP cleavage-activating protein, KIAA0199, PSEC0227
SDS-PAGE MW	139kDa
Concentration	1 mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

## Application Details

Western Blot: 1/500 - 1/2000

## Background

Escort protein required for cholesterol as well as lipid homeostasis (By similarity). Regulates export of the SCAP-SREBP complex from the endoplasmic reticulum to the Golgi upon low cholesterol, thereby regulating the processing of sterol regulatory element-binding proteins (SREBPs) SREBF1/SREBP1 and SREBF2/SREBP2 (By similarity). At high sterol concentrations, formation of a ternary complex with INSIG (INSIG1 or INSIG2) leads to mask the ER export signal in SCAP, promoting retention of the complex in the endoplasmic reticulum (By similarity).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.