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Datasheet for ABIN7091694  
**anti-SREBF chaperone antibody (AA 41-140)**

### Overview

Quantity:	100 µL
Target:	SREBF chaperone (SCAP)
Binding Specificity:	AA 41-140
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SREBF chaperone antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SCAP
Clone:	B7T5
Predicted Reactivity:	Human

### Target Details

Target:	SREBF chaperone (SCAP)
Alternative Name:	SCAP ( <a href="#">SCAP Products</a> )
Background:	Synonyms: KIAA0199, SCAP_HUMAN, SREBF chaperone, SREBF chaperone protein, SREBP cleavage activating protein, SREBP cleavage-activating protein, Sterol regulatory element binding protein cleavage-activating protein, Sterol regulatory element-binding protein cleavage-activating protein.

## Target Details

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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.

Gene ID: 22937

UniProt: [Q12770](#)

Pathways: [SARS-CoV-2 Protein Interactome](#)

## Application Details

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Application Notes: WB 1:300-5000

Restrictions: For Research Use only

## Handling

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Concentration: 0.5 µg/µL

Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months