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Datasheet for ABIN652508

anti-SREBF chaperone antibody (AA 604-632)

7 Images

1 Publication

Overview

Quantity:	400 µL
Target:	SREBF chaperone (SCAP)
Binding Specificity:	AA 604-632
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SREBF chaperone antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Immunogen:	This SCAP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 604-632 amino acids from the Central region of human SCAP.
Clone:	RB22508
Isotype:	Ig Fraction
Predicted Reactivity:	B, Pig
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	SREBF chaperone (SCAP)
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Target Details

Alternative Name:	SCAP (SCAP Products)
Background:	SCAP is 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.
Molecular Weight:	139729
Gene ID:	22937
NCBI Accession:	NP_036367
UniProt:	Q12770
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	IF: 1:100. WB: 1:2000. WB: 1:2000. WB: 1:1000. IHC-P: 1:50~100. FC: 1:25. FC: 1:25
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

Product cited in:	Zhang, Liu, Xu, Sun, Gong, Shao: "Neferine, an alkaloid ingredient in lotus seed embryo, inhibits proliferation of human osteosarcoma cells by promoting p38 MAPK-mediated p21 stabilization." " in: European journal of pharmacology , Vol. 677, Issue 1-3, pp. 47-54, (2012) (PubMed).
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Images

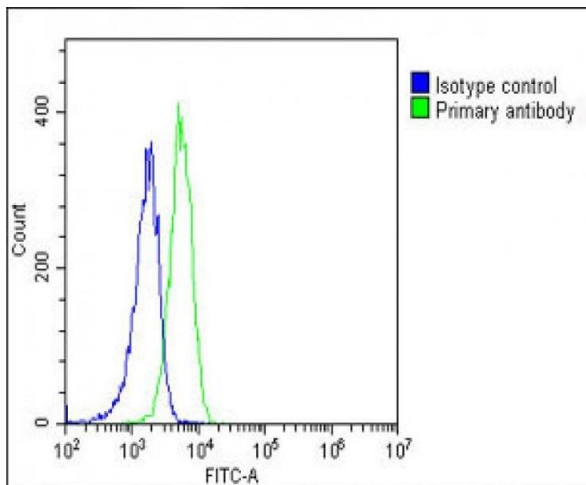
**Flow Cytometry**

Image 1. Overlay histogram showing K562 cells stained with (ABIN652508 and ABIN2842341)(green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then incubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN652508 and ABIN2842341), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OH191631) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG1 (1 μ g/ 1×10^6 cells) used under the same conditions. Acquisition of >10,000 events was performed.

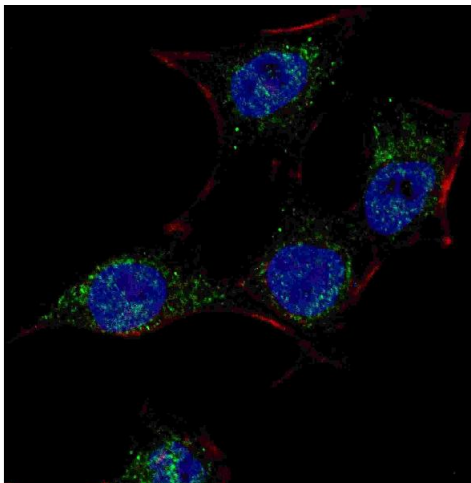
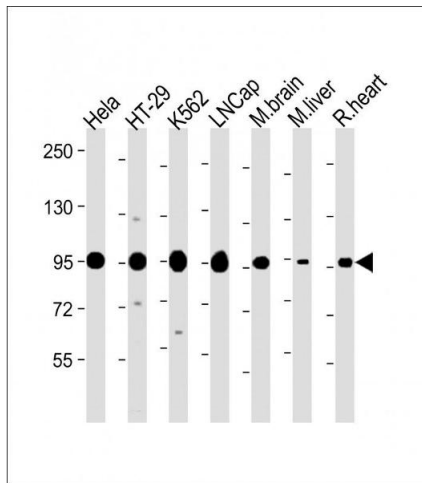
**Immunofluorescence**

Image 2. Fluorescent confocal image of HeLa cells stained with SC (Center) antibody. HeLa cells were fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.2 %, 30 min). Cells were then incubated with 8568c SC (Center) primary antibody (1:100, 2 h at room temperature). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1h). Nuclei were counterstained with Hoechst 33342 (blue) (10 μ g/mL, 5 min).



Western Blotting

Image 3. All lanes : Anti-SC Antibody (Center) at 1:2000 dilution Lane 1: HeLa whole cell lysate Lane 2: HT-29 whole cell lysate Lane 3: K562 whole cell lysate Lane 4: LNC whole cell lysate Lane 5: Mouse brain lysate Lane 6: Mouse liver lysate Lane 7: Rat heart lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 140, 98, 96 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN652508.