



Datasheet for ABIN1537694

## anti-Fatty Acid Synthase antibody (AA 942-973)



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### 7 Images

#### Overview

Quantity:	400 µL
Target:	Fatty Acid Synthase (FASN)
Binding Specificity:	AA 942-973
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Fatty Acid Synthase antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

#### Product Details

Immunogen:	This FASN antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 942-973 amino acids from the Central region of human FASN.
Clone:	497CT15-2-5
Isotype:	IgG1 kappa
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

#### Target Details

Target:	Fatty Acid Synthase (FASN)
Alternative Name:	FASN ( <a href="#">FASN Products</a> )

## Target Details

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Background:	The enzyme encoded by this gene is a multifunctional protein. Its main function is to catalyze the synthesis of palmitate from acetyl-CoA and malonyl-CoA, in the presence of NADPH, into long-chain saturated fatty acids. In some cancer cell lines, this protein has been found to be fused with estrogen receptor-alpha (ER-alpha), in which the N-terminus of FAS is fused in-frame with the C-terminus of ER-alpha.
Molecular Weight:	273427
Gene ID:	2194
NCBI Accession:	<a href="#">NP_004095</a>
UniProt:	<a href="#">P49327</a>
Pathways:	<a href="#">AMPK Signaling</a>

## Application Details

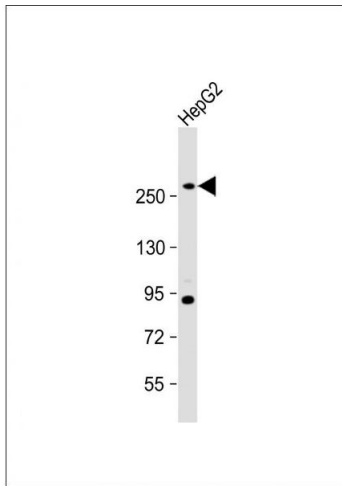
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Application Notes:	WB: 1:500-1:2000. IF: 1:200. IF: 1:25. IF: 1:25. WB: 1:100. WB: 1:8000. WB: 1:1000
Restrictions:	For Research Use only

## Handling

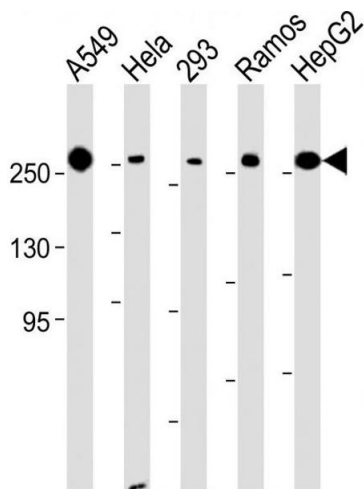
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Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained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



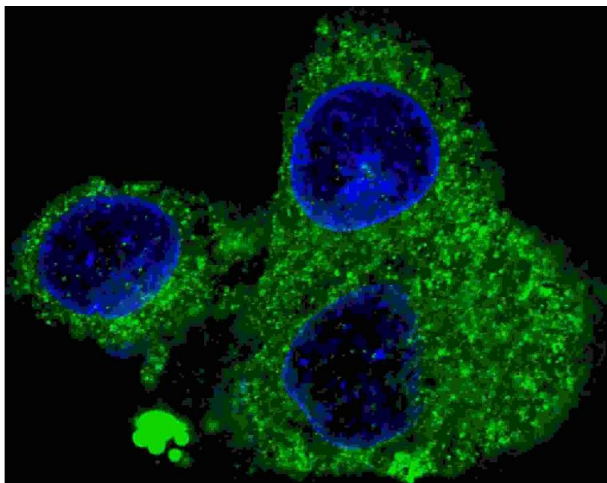
### Western Blotting

**Image 1.** Anti- at 1:1000 dilution + HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 273 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



### Western Blotting

**Image 2.** All lanes : Anti-FASN Antibody (Center) at 1:500-1:2000 dilution Lane 1: A549 whole cell lysate Lane 2: HeLa whole cell lysate Lane 3: 293 whole cell lysate Lane 4: Ramos whole cell lysate Lane 5: HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 273 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



### Immunofluorescence

**Image 3.** Fluorescent confocal image of HepG2 cells stained with FASN (Center) antibody. HepG2 cells were fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.2 %, 30 min). Cells were then incubated with (ABIN1537694 and ABIN2843867) FASN primary antibody (1:200, 2 h at room temperature). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-mouse antibody (green) was used (1:1000, 1h). Nuclei were counterstained with Hoechst 33342 (blue) (10 µg/mL, 5 min). Note the highly specific localization of the FASN immunosignal to the cytoplasm, supported by Human Protein Atlas Data (<http://www.proteinatlas.org/ENSG00000169710>).

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN1537694.