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# Datasheet for ABIN391654 anti-Fatty Acid Synthase antibody (AA 942-973)



Images

Overview	
Quantity:	400 μL
Target:	Fatty Acid Synthase (FASN)
Binding Specificity:	AA 942-973
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Fatty Acid Synthase antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

## Product Details

Immunogen:	This FASN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 942-973 amino acids from the Central region of human FASN.
Clone:	RB17743
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

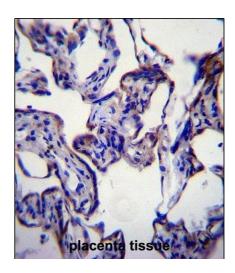
## Target Details

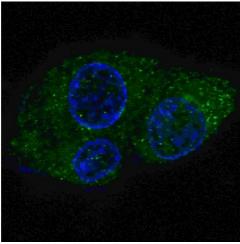
Target:	Fatty Acid Synthase (FASN)
Alternative Name:	FASN (FASN Products)

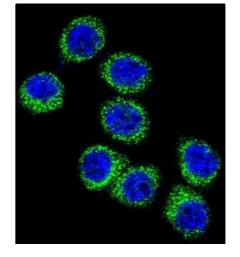
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Target Details	
Background:	FASN is a multifunctional protein. Its main function is to catalyze the synthesis of palmitate from acetyl-CoA and malonyl-CoA, in the presence of NADPH, into long-chain saturated fatty acids. In some cancer cell lines, 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:	NP_004095
UniProt:	P49327
Pathways:	AMPK Signaling
Application Details	
Application Notes:	IF: 1:200. IF: 1:10~50. WB: 1:16000. WB: 1:1000. WB: 1:1000. IHC-P: 1:10~50. FC: 1:10~50
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

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### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** FASN Antibody (Center) (ABIN391654 and ABIN2841563) immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of FASN Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

### Immunofluorescence

Image 2. 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 (ABIN391654 and ABIN2841563) FASN (Center) primary antibody (1:200, 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 µg/mL, 5 min). Note the highly specific localization of the FASN mainly to the mainly to the cytoplasm, supported by Human Protein Atlas Data (http://www.proteinatlas.org/ENSG00000169710).

#### Immunofluorescence

**Image 3.** Confocal immunofluorescent analysis of FASN Antibody (Center) (ABIN391654 and ABIN2841563) with Hela cell followed by Alexa Fluor 488-conjugated goat antirabbit IgG (green).DI was used to stain the cell nuclear (blue).

Please check the product details page for more images. Overall 7 images are available for ABIN391654.

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