Datasheet for ABIN7127484

Recombinant anti-Fatty Acid Synthase antibody

2 Images

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Overview

Quantity:	100 µL
Target:	Fatty Acid Synthase (FASN)
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This Fatty Acid Synthase antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Immunogen:	A synthesized peptide derived from human FASN
Clone:	2A5
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Affinity-chromatography

Target Details

Target:	Fatty Acid Synthase (FASN)
Alternative Name:	FASN (FASN Products)
Background:	Background: Fatty acid synthetase catalyzes the formation of long-chain fatty acids from

Target Details

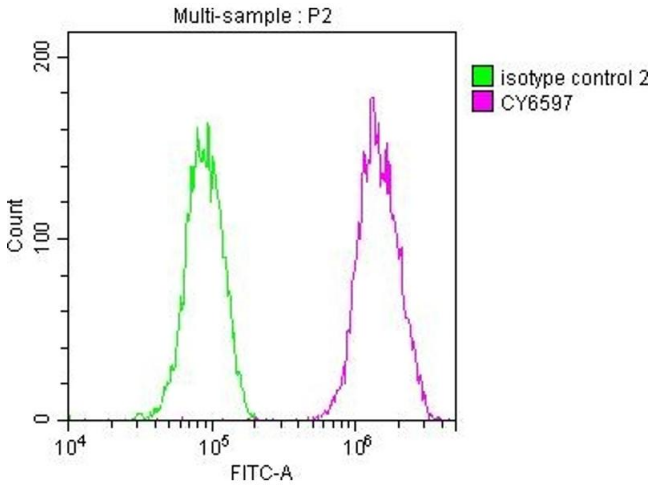
	acetyl-CoA, malonyl-CoA and NADPH. This multifunctional protein has 7 catalytic activities and an acyl carrier protein. Aliases: Fatty acid synthase (EC 2.3.1.85) [Includes: [Acyl-carrier-protein] S-acetyltransferase (EC 2.3.1.38), [Acyl-carrier-protein] S-malonyltransferase (EC 2.3.1.39), 3-oxoacyl-[acyl-carrier-protein] synthase (EC 2.3.1.41), 3-oxoacyl-[acyl-carrier-protein] reductase (EC 1.1.1.100), 3-hydroxyacyl-[acyl-carrier-protein] dehydratase (EC 4.2.1.59), Enoyl-[acyl-carrier-protein] reductase (EC 1.3.1.39), Oleoyl-[acyl-carrier-protein] hydrolase (EC 3.1.2.14)], FASN, FAS
UniProt:	P49327
Pathways:	AMPK Signaling

Application Details

Application Notes:	Recommended dilution: IF:1:20-1:200, FC:1:20-1:200,
Restrictions:	For Research Use only

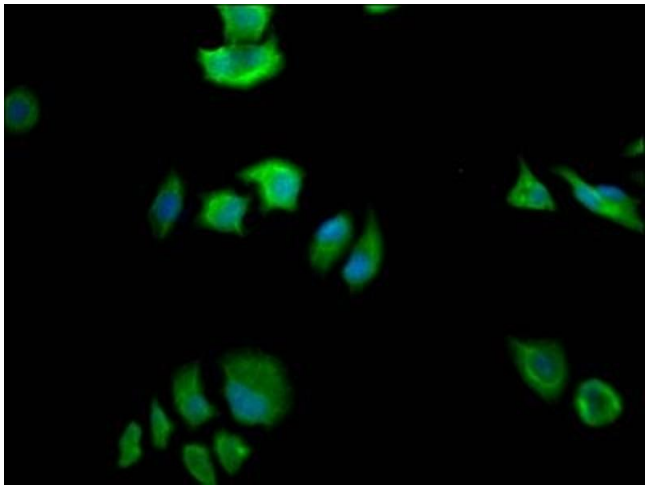
Handling

Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Flow Cytometry

Image 1. Overlay histogram showing A549 cells stained with ABIN7127484 (red line) at 1:50. The cells were fixed with 70 % Ethylalcohol (18h) and then incubated in 10 % normal goat serum to block non-specific protein-protein interactions followedby the antibody (1 µg/1*106cells) for 1 h at 4 °C.The secondary antibody used was FITC-conjugated goat anti-rabbit IgG (H+L) at 1/200 dilution for 30 min at 4 °C. Control antibody (green line) was Rabbit IgG (1 µg/1*106cells) used under the same conditions. Acquisition of >10,000 events was performed.



Immunofluorescence

Image 2. Immunofluorescence staining of Hela Cells with ABIN7127484 at 1:50, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeated by 0.2 % TritonX-100, and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).