

Datasheet for ABIN3030917

anti-Fatty Acid Synthase antibody (AA 942-973)[Go to Product page](#)**3** Images

Overview

Quantity:	0.4 mL
Target:	Fatty Acid Synthase (FASN)
Binding Specificity:	AA 942-973
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Fatty Acid Synthase antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	A portion of amino acids 942-973 from human FASN was used as the immunogen for this Fatty Acid Synthase antibody.
Clone:	497CT15-2-5
Isotype:	IgM
Purification:	Purified

Target Details

Target:	Fatty Acid Synthase (FASN)
Alternative Name:	Fatty Acid Synthase (FASN Products)
Background:	Fatty acid synthase is a multifunctional protein. Its main function is to catalyze the synthesis of

Target Details

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.

UniProt: [P49327](#)

Pathways: [AMPK Signaling](#)

Application Details

Application Notes: Titration of the Fatty Acid Synthase antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Immunofluorescence: 1:200,Western blot: 1:100

Restrictions: For Research Use only

Handling

Format: Liquid

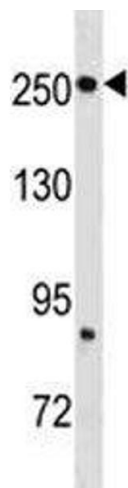
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

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

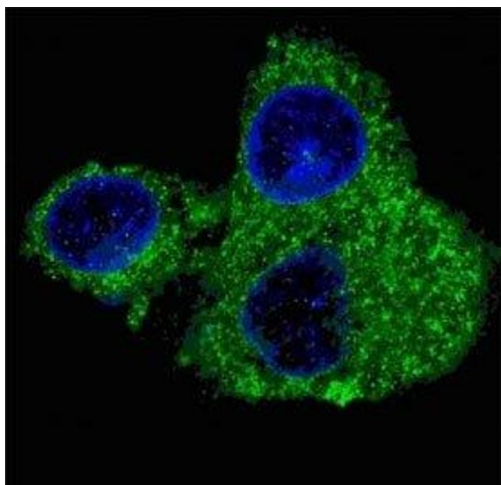
Storage: -20 °C

Storage Comment: Aliquot the Fatty Acid Synthase antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



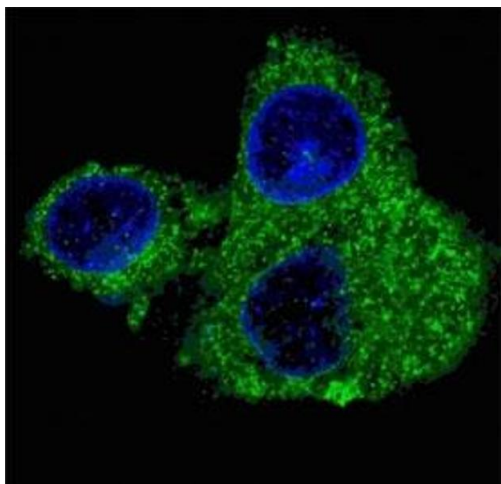
Western Blotting

Image 1. Fatty Acid Synthase antibody western blot analysis in mouse brain tissue lysate. Predicted molecular weight ~ 270 kDa.



Immunofluorescence

Image 2. Fluorescent confocal image of HepG2 cells stained with Fatty Acid Synthase antibody. Alexa Fluor 488 secondary was used (green). FASN immunosignal localizes to the cytoplasm.



Immunofluorescence

Image 3. Fluorescent confocal image of HepG2 cells stained with Fatty Acid Synthase antibody. Alexa Fluor 488 secondary was used (green). FASN immunosignal localizes to the cytoplasm.