

Datasheet for ABIN4950995

anti-Fatty Acid Synthase antibody (AA 1-226)



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3 Images

Overview

Quantity:	100 µg
Target:	Fatty Acid Synthase (FASN)
Binding Specificity:	AA 1-226
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Fatty Acid Synthase antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Amino acids 1-226 of human FASN were used as the immunogen for the FASN antibody.
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	Fatty Acid Synthase (FASN)
Alternative Name:	FASN / Fatty acid synthase (FASN Products)
Background:	Fatty acid synthase (FAS) is an enzyme that in humans is encoded by the FASN gene. 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-

Target Details

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: Optimal dilution of the FASN antibody should be determined by the researcher.\. Western blot: 0.1-0.5 µg/mL,IHC (Paraffin): 0.5-1 µg/mL,ICC (Paraffin): 0.5-1 µg/mL

Restrictions: For Research Use only

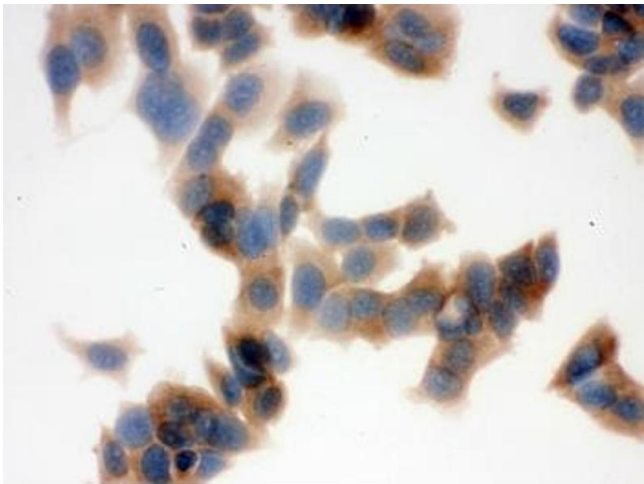
Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

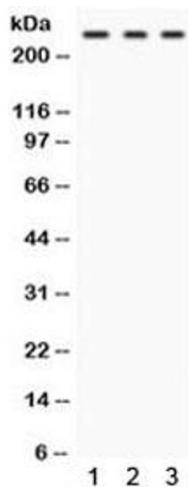
Storage Comment: After reconstitution, the FASN antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



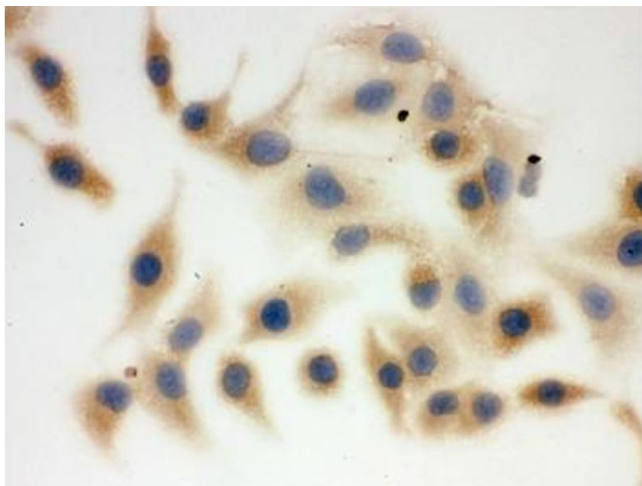
Immunocytochemistry

Image 1. ICC testing of FFPE human MCF7 cells with FASN antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



Western Blotting

Image 2. Western blot testing of human 1) HepG2, 2) U87 and 3) Raji cell lysate with FASN antibody. Expected molecular weight ~270 kDa.



Immunocytochemistry

Image 3. ICC testing of FFPE human A549 cells with FASN antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.