

Datasheet for ABIN7267157

## anti-Fatty Acid Synthase antibody

5 Images



[Go to Product page](#)

### Overview

Quantity:	100 µL
Target:	Fatty Acid Synthase (FASN)
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This Fatty Acid Synthase antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunofluorescence (IF)

### Product Details

Purpose:	Fatty Acid Synthase (FASN) Rabbit mAb
Immunogen:	A synthesized peptide derived from human FASN
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

### Target Details

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

## Target Details

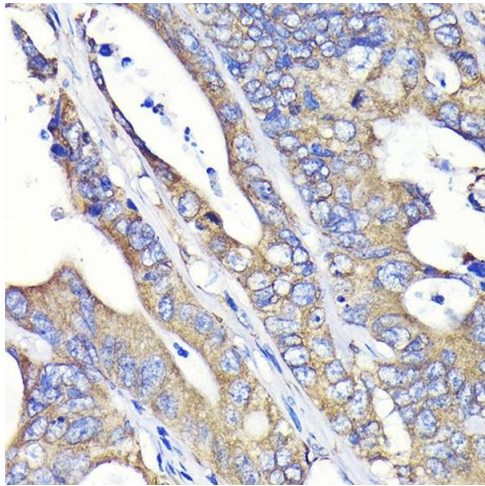
Background:	The enzyme encoded by this gene is a multifunctional protein. Its main function is to catalyze the synthesis of palmitate from acetyl-CoA and malonyl-CoA, in the presence of NADPH, into long-chain saturated fatty acids. In some cancer cell lines, this protein has been found to be fused with estrogen receptor-alpha (ER-alpha), in which the N-terminus of FAS is fused in-frame with the C-terminus of ER-alpha. [provided by RefSeq, Jul 2008],FAS,OA-519,SDR27X1,FASN,AMPK Signaling Pathway,Cancer,Cardiovascular,Endocrine & Metabolism,Epigenetics & Nuclear Signaling,Lipid Metabolism,Lipids,Lipids_Fatty Acids,Neuroscience,RNA Binding,Signal Transduction,Tumor biomarkers,FASN
Molecular Weight:	273kDa
Gene ID:	2194
UniProt:	<a href="#">P49327</a>
Pathways:	<a href="#">AMPK Signaling</a>

## Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200,IP,1:50 - 1:200
Restrictions:	For Research Use only

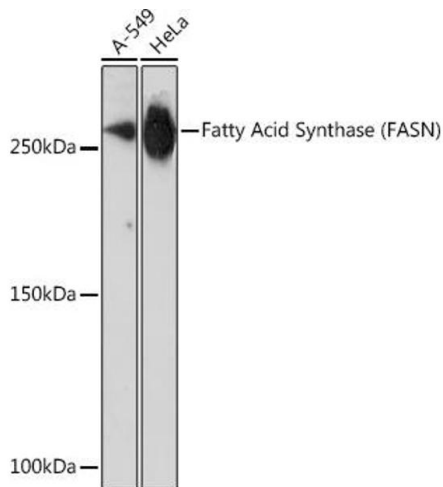
## Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
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:	Store at -20°C. Avoid freeze / thaw cycles.



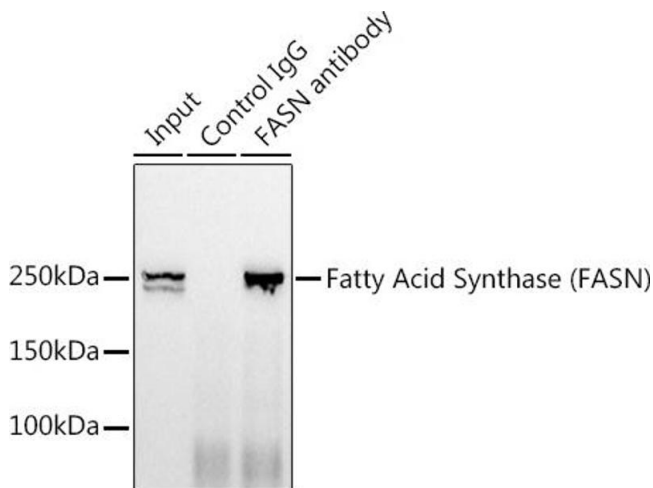
### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human colon carcinoma using Fatty Acid Synthase (FASN) Rabbit mAb at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using Fatty Acid Synthase (FASN) antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 3 min.



### Immunoprecipitation

**Image 3.** Immunoprecipitation analysis of 300 µg extracts of HeLa cells using 3 µg Fatty Acid Synthase (FASN) antibody. Western blot was performed from the immunoprecipitate using Fatty Acid Synthase (FASN) antibody at a dilution of 1:500.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7267157.