

# Fatty Acid Synthase (FASN) Rabbit mAb

Catalog No.: A19050

Recombinant

6 Publications

## Basic Information

### Observed MW

273kDa

### Calculated MW

273kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P, IF/ICC, IP

### Cross-Reactivity

Human, Mouse

### CloneNo number

ARC0377

## 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.

## Recommended Dilutions

<b>WB</b>	1:500 - 1:2000
<b>IHC-P</b>	1:50 - 1:200
<b>IF/ICC</b>	1:50 - 1:200
<b>IP</b>	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells

## Contact

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## Immunogen Information

### Gene ID

2194

### Swiss Prot

P49327

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 2400-2500 of human FASN (P49327).

### Synonyms

FAS; OA-519; SDR27X1; Fatty Acid Synthase (FASN)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

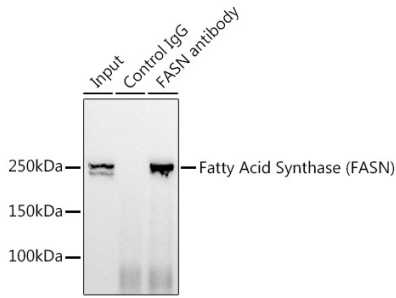
Affinity purification

### Storage

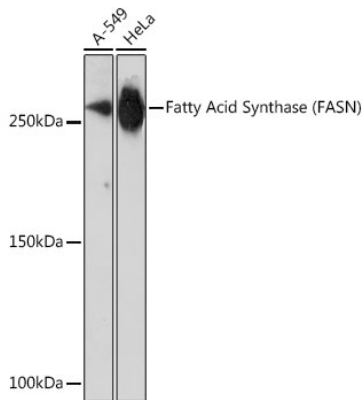
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data



Immunoprecipitation analysis of 300  $\mu$ g extracts of HeLa cells using 3  $\mu$ g Fatty Acid Synthase (FASN) antibody (A19050). Western blot was performed from the immunoprecipitate using Fatty Acid Synthase (FASN) antibody (A19050) at a dilution of 1:500.



Western blot analysis of various lysates using Fatty Acid Synthase (FASN) Rabbit mAb (A19050) at 1:1000 dilution.

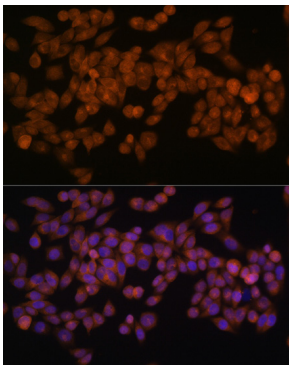
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25  $\mu$ g per lane.

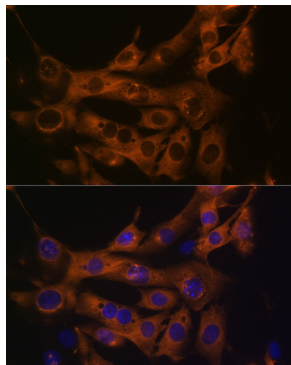
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Enhanced Kit (RM00021).

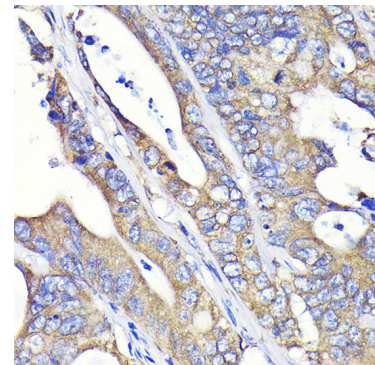
Exposure time: 3min.



Immunofluorescence analysis of HeLa cells using Fatty Acid Synthase (FASN) Rabbit mAb (A19050) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using Fatty Acid Synthase (FASN) Rabbit mAb (A19050) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma using Fatty Acid Synthase (FASN) Rabbit mAb (A19050) 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.