

Fatty Acid Synthase (FASN) Rabbit mAb

Catalog No.: A19050

Recombinant

8 Publications

Basic Information

Observed MW

273kDa

Calculated MW

273kDa

Category

Primary antibody

Applications

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

Cross-Reactivity

Human, Mouse, Rat

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

WB 1:1000 - 1:2000

IHC-P 1:500 - 1:2000

IF/ICC 1:100 - 1:800

IP 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells

ELISA Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on
your specific assay
requirements.

Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

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

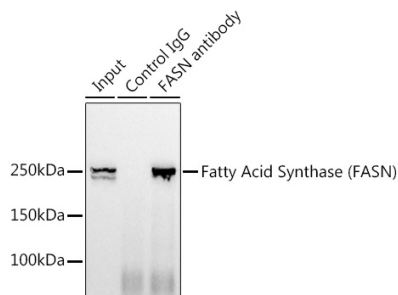
Affinity purification

Storage

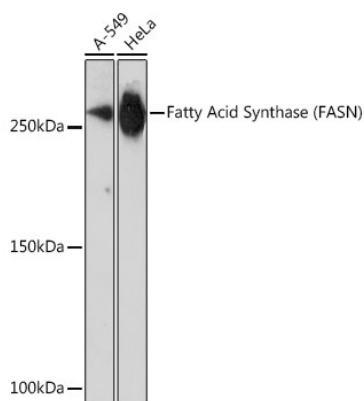
Store at -20°C. Avoid freeze / thaw cycles.

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

Validation Data



Immunoprecipitation analysis of 300 μ g extracts of HeLa cells using 3 μ 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.

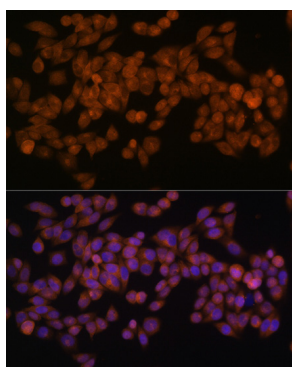
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 μ g per lane.

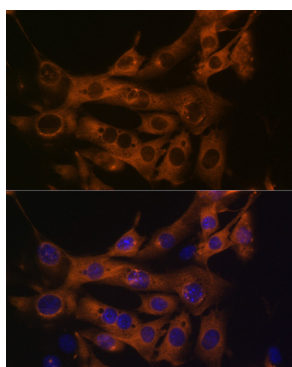
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Enhanced Kit (RM00021).

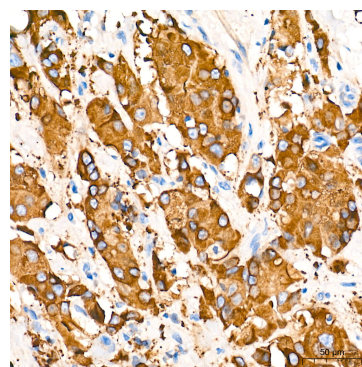
Exposure time: 3min.



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

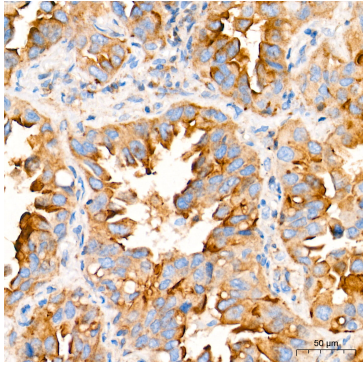


Immunofluorescence analysis of NIH/3T3 cells using Fatty Acid Synthase (FASN) Rabbit mAb (A19050) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

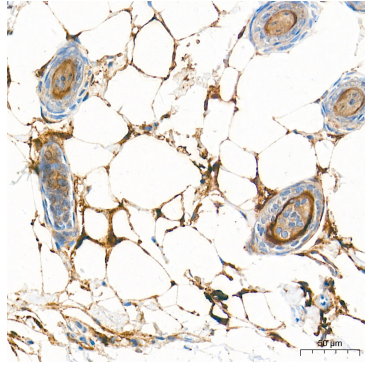


Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using Fatty Acid Synthase (FASN) Rabbit mAb (A19050) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

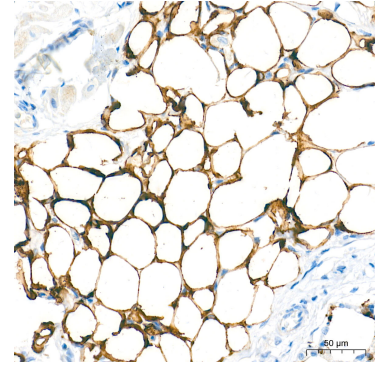
Validation Data



Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue using Fatty Acid Synthase (FASN) Rabbit mAb (A19050) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse skin tissue using Fatty Acid Synthase (FASN) Rabbit mAb (A19050) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat fat tissue using Fatty Acid Synthase (FASN) Rabbit mAb (A19050) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.