

Fatty Acid Synthase (FASN) Rabbit mAb

Catalog No.: A19050 Recombinant 16 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

Clone/No. 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.

Immunogen Information

Gene ID

2194

Swiss Prot

P49327

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

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 containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

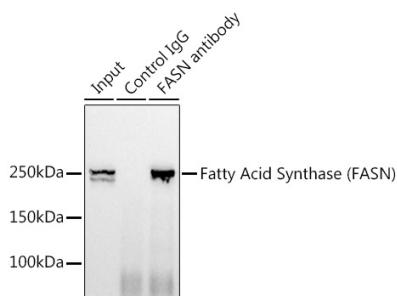
Contact

 | 400-999-6126

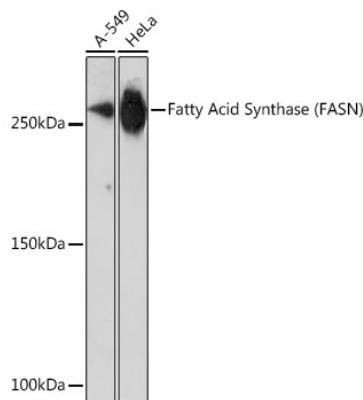
 | cn.market@abclonal.com.cn

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Validation Data



Immunoprecipitation analysis of 300 µg extracts of HeLa cells using 3 µg Fatty Acid Synthase (FASN) Rabbit mAb (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.

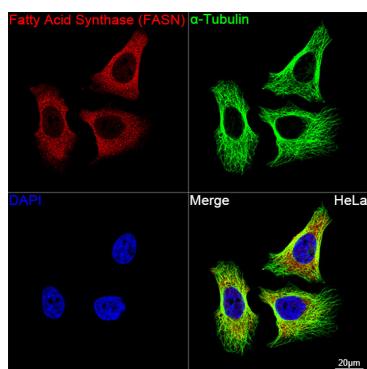
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

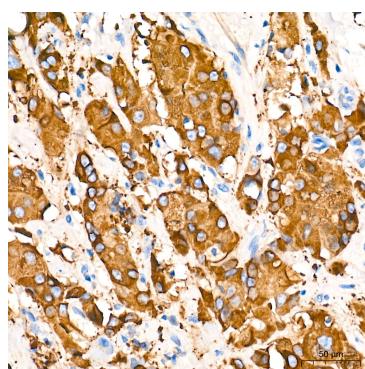
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Enhanced Kit (RM00021).

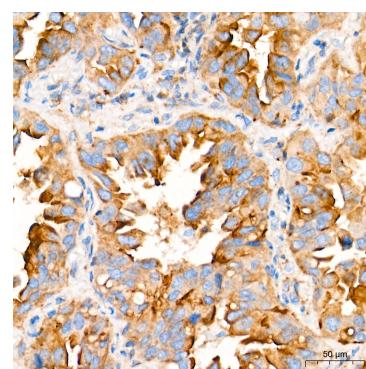
Exposure time: 3min.



Confocal imaging of HeLa cells using Fatty Acid Synthase (FASN) Rabbit mAb (A19050, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α -Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.

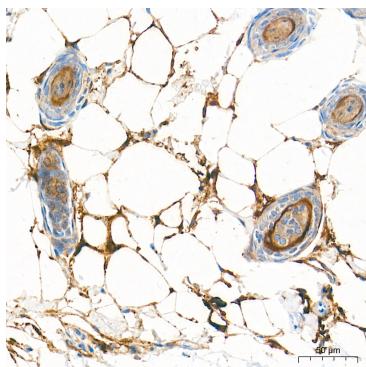


Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using Fatty Acid Synthase (FASN) Rabbit mAb (A19050) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

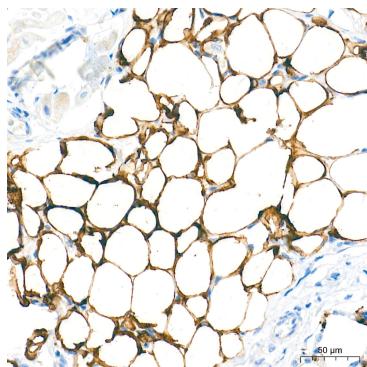


Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue using Fatty Acid Synthase (FASN) Rabbit mAb (A19050) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Validation Data



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.