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Fatty Acid Synthase (FASN) Rabbit mAb

Catalog No.: A19050 Recombinant 17 Publications

Basic Information

Observed MW
273 kDa

Calculated MW
273 kDa

Category
Primary antibody

Applications
WB,IP,IF/ICC,IHC-P,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	1:3000 - 1:12000
IP	0.5 µg - 4 µg antibody for 200 µg - 400 µg extracts of whole cells
IF/ICC	1:100 - 1:800
IHC-P	1:500 - 1:2000
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℃. 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

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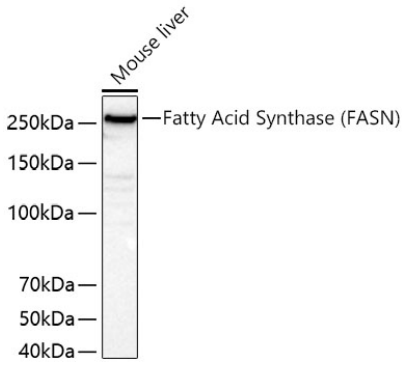
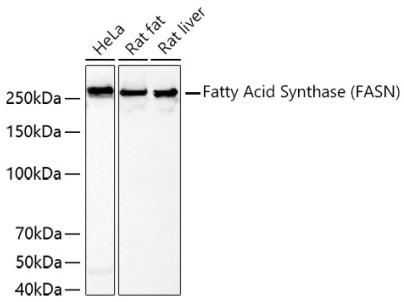
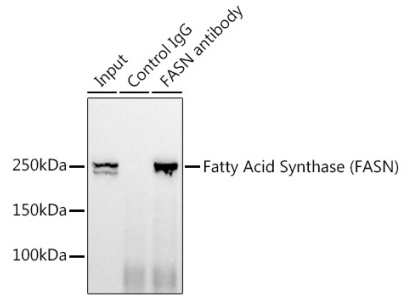
Validation Data



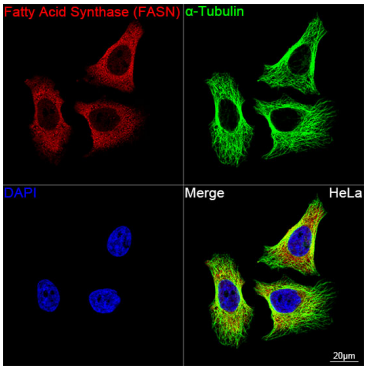
Western blot analysis of lysates from Mouse liver using Fatty Acid Synthase (FASN) Rabbit mAb (A19050) at 1:6000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10 s.



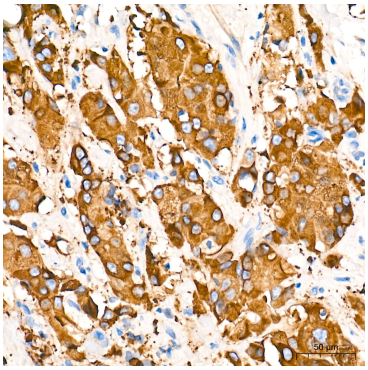
Western blot analysis of various lysates using Fatty Acid Synthase (FASN) Rabbit mAb (A19050) at 1:6000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 20 s.



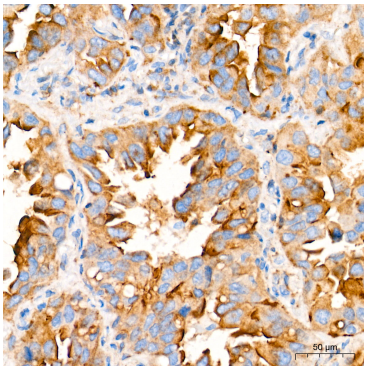
Immunoprecipitation analysis of 300 µg extracts of HeLa cells using 3 µg Fatty Acid Synthase (FASN) Rabbit mAb (A19050). Western blot was performed from the immunoprecipitate using Fatty Acid Synthase (FASN) antibody (A19050) at a dilution of 1:500.



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



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).



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).

Validation Data

(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.

High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

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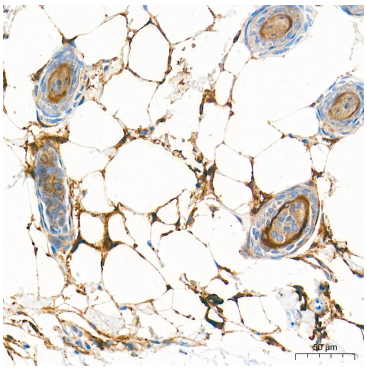
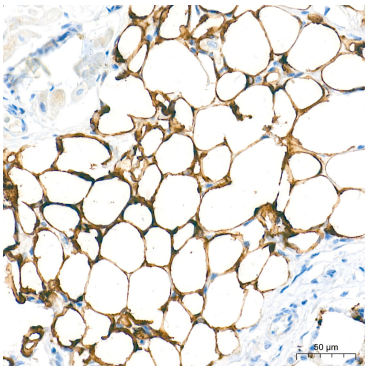


Immunohistochemistry analysis of paraffin-embedded Mouse skin tissue using Fatty Acid Synthase (FASN) Rabbit mAb (A19050) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



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.