A19050

Leader in Biomolecular Solutions for Life Science

www.abclonal.com

Fatty Acid Synthase (FASN) Rabbit mAb

Catalog No.: A19050 Recombinant 10 Publications

Basic Information

Observed MW
273kDa

Calculated MW
273kDa

Category
SMab Recombinant Monoclonal 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.

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

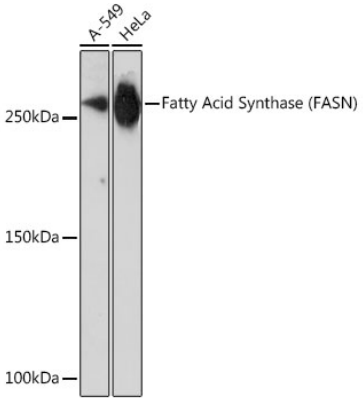
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

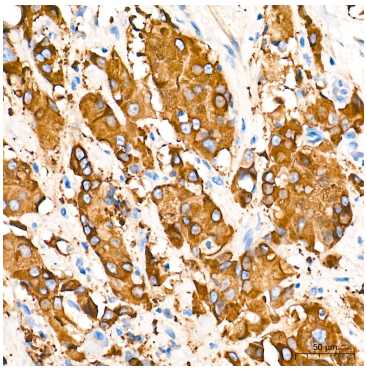
Contact

www.abclonal.com

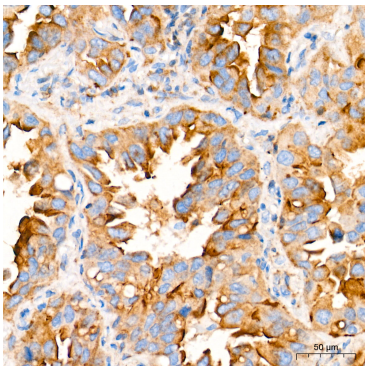
Validation Data



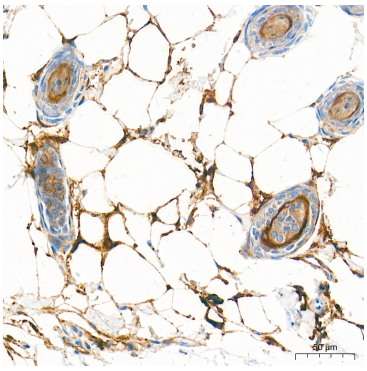
Western blot analysis of various lysates using Fatty Acid Synthase (FASN) Rabbit mAb (A19050) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 3min.



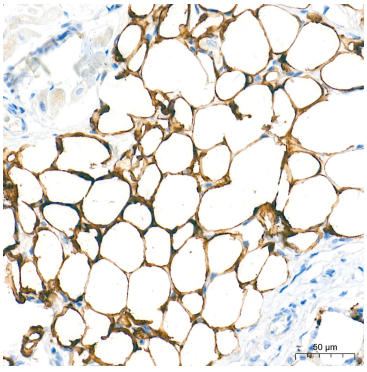
Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using Fatty Acid Synthase (FASN) Rabbit mAb (A19050) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



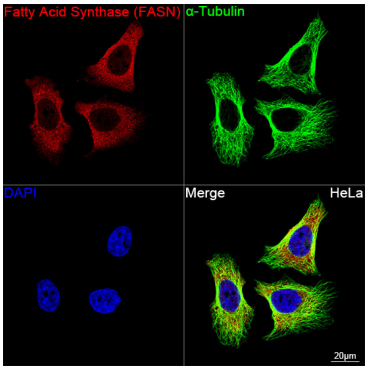
Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue using Fatty Acid Synthase (FASN) Rabbit mAb (A19050) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



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.



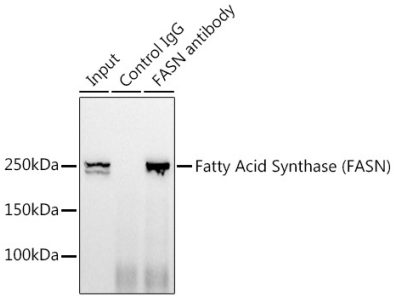
Immunohistochemistry analysis of paraffin-embedded Rat fat tissue using Fatty Acid Synthase (FASN) Rabbit mAb (A19050) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



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-

Validation Data

Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunoprecipitation analysis of 300 µg extracts of HeLa cells using 3 µg 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.