

Resource Summary Report

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Fatty Acid Synthase (C20G5) Rabbit mAb

RRID:AB_2100796

Type: Antibody

Proper Citation

(Cell Signaling Technology Cat# 3180, RRID:AB_2100796)

Antibody Information

URL: http://antibodyregistry.org/AB_2100796

Proper Citation: (Cell Signaling Technology Cat# 3180, RRID:AB_2100796)

Target Antigen: Fatty Acid Synthase (C20G5) Rabbit mAb

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IP, IHC-P, IHC-F, IF-IC

Antibody Name: Fatty Acid Synthase (C20G5) Rabbit mAb

Description: This monoclonal targets Fatty Acid Synthase (C20G5) Rabbit mAb

Target Organism: h, m, r, human, mouse, rat

Antibody ID: AB_2100796

Vendor: Cell Signaling Technology

Catalog Number: 3180

Ratings and Alerts

No rating or validation information has been found for Fatty Acid Synthase (C20G5) Rabbit mAb.

No alerts have been found for Fatty Acid Synthase (C20G5) Rabbit mAb.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 65 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Soto-Catalán M, et al. (2024) Semaglutide Improves Liver Steatosis and De Novo Lipogenesis Markers in Obese and Type-2-Diabetic Mice with Metabolic-Dysfunction-Associated Steatotic Liver Disease. *International journal of molecular sciences*, 25(5).

Dairo O, et al. (2024) FASN Gene Methylation is Associated with Fatty Acid Synthase Expression and Clinical-genomic Features of Prostate Cancer. *Cancer research communications*, 4(1), 152.

Alex NS, et al. (2023) Pregnancy-associated Steroid Effects on Insulin Sensitivity, Adipogenesis, and Lipogenesis: Role of Wnt/ β -Catenin Pathway. *Journal of the Endocrine Society*, 7(8), bvad076.

Guilherme A, et al. (2023) Acetyl-CoA carboxylase 1 is a suppressor of the adipocyte thermogenic program. *Cell reports*, 42(5), 112488.

Fei X, et al. (2023) The Scap-SREBP1-S1P/S2P lipogenesis signal orchestrates the homeostasis and spatiotemporal activation of NF- κ B. *Cell reports*, 42(6), 112586.

Geng F, et al. (2023) SREBP-1 upregulates lipophagy to maintain cholesterol homeostasis in brain tumor cells. *Cell reports*, 42(7), 112790.

Shen HH, et al. (2023) Porcine reproductive and respiratory syndrome virus upregulates SMPDL3B to promote viral replication by modulating lipid metabolism. *iScience*, 26(8), 107450.

Kim SP, et al. (2023) Peroxisome proliferator activated receptor- γ in osteoblasts controls bone formation and fat mass by regulating sclerostin expression. *iScience*, 26(7), 106999.

Cho S, et al. (2023) FAM120A couples SREBP-dependent transcription and splicing of lipogenesis enzymes downstream of mTORC1. *Molecular cell*, 83(16), 3010.

Zheng Y, et al. (2023) Modulation of cellular metabolism by protein crotonylation regulates pancreatic cancer progression. *Cell reports*, 42(7), 112666.

Liu M, et al. (2023) Dominant-negative HNF1 β mutant promotes liver steatosis and inflammation by regulating hepatic complement factor D. *iScience*, 26(10), 108018.

Gu L, et al. (2023) Fructose-1,6-bisphosphatase is a nonenzymatic safety valve that curtails

AKT activation to prevent insulin hyperresponsiveness. *Cell metabolism*, 35(6), 1009.

Thongnak L, et al. (2023) Metformin mitigates renal dysfunction in obese insulin-resistant rats via activation of the AMPK/PPAR γ pathway. *Archives of pharmacal research*, 46(5), 408.

Monnerie H, et al. (2023) Inhibition of lipid synthesis by the HIV integrase strand transfer inhibitor elvitegravir in primary rat oligodendrocyte cultures. *Frontiers in molecular neuroscience*, 16, 1323431.

Zhang Q, et al. (2023) Single-cell sequencing identifies differentiation-related markers for molecular classification and recurrence prediction of PitNET. *Cell reports. Medicine*, 4(2), 100934.

Yiew NKH, et al. (2023) Effects of hepatic mitochondrial pyruvate carrier deficiency on de novo lipogenesis and gluconeogenesis in mice. *iScience*, 26(11), 108196.

Pinanga YD, et al. (2023) TM4SF5-mediated abnormal food-intake behavior and apelin expression facilitate non-alcoholic fatty liver disease features. *iScience*, 26(9), 107625.

Ding M, et al. (2022) Tumor Microenvironment Acidity Triggers Lipid Accumulation in Liver Cancer via SCD1 Activation. *Molecular cancer research : MCR*, 20(5), 810.

Müller C, et al. (2022) Enhanced C/EBP α function promotes hypertrophic versus hyperplastic fat tissue growth and prevents steatosis in response to high-fat diet feeding. *eLife*, 11.

Sekar R, et al. (2022) Vps37a regulates hepatic glucose production by controlling glucagon receptor localization to endosomes. *Cell metabolism*, 34(11), 1824.