

# Resource Summary Report

Generated by [RRID](#) on Jul 30, 2026

## Fatty Acid Synthase (C20G5) Rabbit mAb

RRID:AB\_2100796

Type: Antibody

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### Proper Citation

Cell Signaling Technology Cat# 3180, RRID:AB\_2100796

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### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_2100796](http://antibodyregistry.org/AB_2100796)

**Proper Citation:** Cell Signaling Technology Cat# 3180, RRID:AB\_2100796

**Target Antigen:** FASN

**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 FASN

**Target Organism:** mouse, human

**Antibody ID:** AB\_2100796

**Vendor:** Cell Signaling Technology

**Catalog Number:** 3180

**Record Creation Time:** 20250820T000910+0000

**Record Last Update:** 20250820T073032+0000

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### 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 89 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [RRID](#) .

Chan AP, et al. (2025) Bile acids regulate lipid metabolism through selective actions on fatty acid absorption. Cell metabolism.

Zhu X, et al. (2025) Identification of Meibomian gland stem cell populations and mechanisms of aging. Nature communications, 16(1), 1663.

Fidelito G, et al. (2025) Lipid-metabolism-focused CRISPR screens identify enzymes of the mevalonate pathway as essential for prostate cancer growth. Cell reports, 44(4), 115470.

Su H, et al. (2025) Targeting PGM3 abolishes SREBP-1 activation-hexosamine synthesis feedback regulation to effectively suppress brain tumor growth. Science advances, 11(16), eadq0334.

Cáliz-Molina MÁ, et al. (2025) Enhanced non-enzymatic H<sub>2</sub>S generation extends lifespan and healthspan in male mice. Cell metabolism.

MacMillan AC, et al. (2025) PRPS activity tunes redox homeostasis in Myc-driven lymphoma. Redox biology, 84, 103649.

de Souza RA, et al. (2025) The exit of naive pluripotency contains a metabolism-induced checkpoint for telomere homeostasis. Cell reports, 44(12), 116654.

Guo J, et al. (2025) KMT2C deficiency drives transdifferentiation of double-negative prostate cancer and confer resistance to AR-targeted therapy. Cancer cell, 43(7), 1261.

Daum AK, et al. (2025) Cancer-associated fibroblasts promote drug resistance in ALK-driven lung adenocarcinoma cells by upregulating lipid biosynthesis. Cancer & metabolism, 13(1), 28.

Wei X, et al. (2024) Myeloid beta-arrestin 2 depletion attenuates metabolic dysfunction-associated steatohepatitis via the metabolic reprogramming of macrophages. Cell metabolism, 36(10), 2281.

de Kivit S, et al. (2024) Immune suppression by human thymus-derived effector Tregs relies on glucose/lactate-fueled fatty acid synthesis. Cell reports, 43(9), 114681.

Fligor SC, et al. (2024) Intravenous lipid emulsions designed to meet preterm infant requirements increase plasma and tissue levels of docosahexaenoic acid and arachidonic acid in mice. Clinical nutrition (Edinburgh, Scotland), 43(10), 2273.

Zhong Y, et al. (2024) Combinatorial targeting of glutamine metabolism and lysosomal-based lipid metabolism effectively suppresses glioblastoma. *Cell reports. Medicine*, 5(9), 101706.

Wu HY, et al. (2024) KLF4 promotes milk fat synthesis by regulating the PI3K-AKT-mTOR pathway and targeting FASN activation in bovine mammary epithelial cells. *iScience*, 27(6), 109850.

Goedeke L, et al. (2024) High-fat-diet-induced hepatic insulin resistance per se attenuates murine de novo lipogenesis. *iScience*, 27(11), 111175.

Fadhul T, et al. (2024) The propensity of fructose to induce metabolic dysfunction is dependent on the baseline diet, length of the dietary exposure, and sex of the mice. *bioRxiv : the preprint server for biology*.

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).

Han X, et al. (2024) Cancer-associated fibroblasts maintain critical pancreatic cancer cell lipid homeostasis in the tumor microenvironment. *Cell reports*, 43(11), 114972.

Zhu W, et al. (2024) Activation of hepatic adenosine A1 receptor ameliorates MASH via inhibiting SREBPs maturation. *Cell reports. Medicine*, 5(3), 101477.

Zhou B, et al. (2024) Amelioration of nonalcoholic fatty liver disease by inhibiting the deubiquitylating enzyme RPN11. *Cell metabolism*, 36(10), 2228.