

# Resource Summary Report

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## Anti-?-Actin Antibody (C4)

RRID:AB\_626632

Type: Antibody

### Proper Citation

(Santa Cruz Biotechnology Cat# sc-47778, RRID:AB\_626632)

### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_626632](http://antibodyregistry.org/AB_626632)

**Proper Citation:** (Santa Cruz Biotechnology Cat# sc-47778, RRID:AB\_626632)

**Target Antigen:** ?-Actin

**Host Organism:** mouse

**Clonality:** monoclonal

**Comments:** Applications: WB, IP, IF, IHC(P), ELISA

**Antibody Name:** Anti-?-Actin Antibody (C4)

**Description:** This monoclonal targets ?-Actin

**Target Organism:** ppolycephalum, rat, ddiscoideum, porcine, canine, avian, mouse, rabbit, bovine, human

**Clone ID:** C4

**Antibody ID:** AB\_626632

**Vendor:** Santa Cruz Biotechnology

**Catalog Number:** sc-47778

**Record Creation Time:** 20231110T033536+0000

**Record Last Update:** 20240725T041013+0000

## Ratings and Alerts

No rating or validation information has been found for Anti- $\beta$ -Actin Antibody (C4).

No alerts have been found for Anti- $\beta$ -Actin Antibody (C4).

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## Data and Source Information

**Source:** [Antibody Registry](#)

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## Usage and Citation Metrics

We found 481 mentions in open access literature.

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

Qin Y, et al. (2025) Reduced mesencephalic astrocyte-derived neurotrophic factor expression by mutant androgen receptor contributes to neurodegeneration in a model of spinal and bulbar muscular atrophy pathology. *Neural regeneration research*, 20(9), 2655.

Jiang H, et al. (2024) BLM helicase unwinds lagging strand substrates to assemble the ALT telomere damage response. *Molecular cell*, 84(9), 1684.

Poch T, et al. (2024) Intergenic risk variant rs56258221 skews the fate of naive CD4+ T cells via miR4464-BACH2 interplay in primary sclerosing cholangitis. *Cell reports. Medicine*, 5(7), 101620.

Wang Y, et al. (2024) Topiramate suppresses peri-infarct spreading depolarization and improves outcomes in a rat model of photothrombotic stroke. *iScience*, 27(6), 110033.

Li J, et al. (2024) Osteocalcin-expressing neutrophils from skull bone marrow exert immunosuppressive and neuroprotective effects after TBI. *Cell reports*, 43(9), 114670.

Huang J, et al. (2024) BBOX1 mediates metabolic reprogramming driven by hypoxia and participates in the malignant progress of high-grade serous ovarian cancer. *Biochimica et biophysica acta. Molecular cell research*, 1871(8), 119830.

Tavares MR, et al. (2024) Growth hormone receptor in VGLUT2 or Sim1 cells regulates glycemia and insulin sensitivity. *Proceedings of the National Academy of Sciences of the United States of America*, 121(52), e2407225121.

Nakamori T, et al. (2024) The role of osteocrin in memory formation during early learning, as revealed by visual imprinting in chicks. *iScience*, 27(11), 111195.

Lee DY, et al. (2024) Dual effects of TGF- $\beta$  inhibitor in ALS - inhibit contracture and neurodegeneration. *Journal of neurochemistry*.

Harioudh MK, et al. (2024) Oligoadenylate synthetase 1 displays dual antiviral mechanisms in driving translational shutdown and protecting interferon production. *Immunity*, 57(3), 446.

Tofaute MJ, et al. (2024) SARS-CoV-2 NSP14 MTase activity is critical for inducing canonical NF- $\kappa$ B activation. *Bioscience reports*, 44(1).

Rodencal J, et al. (2024) Sensitization of cancer cells to ferroptosis coincident with cell cycle arrest. *Cell chemical biology*, 31(2), 234.

Walker TJ, et al. (2024) Loss of tumor suppressor TMEM127 drives RET-mediated transformation through disrupted membrane dynamics. *eLife*, 12.

Kim A, et al. (2024) Cdk5 inhibition in the SOD1G93A transgenic mouse model of amyotrophic lateral sclerosis suppresses neurodegeneration and extends survival. *Journal of neurochemistry*, 168(9), 2908.

Magni L, et al. (2024) Human P2X7 receptor variants Gly150Arg and Arg276His polymorphisms have differential effects on risk association and cellular functions in pancreatic cancer. *Cancer cell international*, 24(1), 148.

Sasaki I, et al. (2024) A stress sensor, IRE1 $\gamma$ , is required for bacterial-exotoxin-induced interleukin-1 $\beta$  production in tissue-resident macrophages. *Cell reports*, 43(4), 113981.

Panagiotou S, et al. (2024) OSBP-mediated PI(4)P-cholesterol exchange at endoplasmic reticulum-secretory granule contact sites controls insulin secretion. *Cell reports*, 43(4), 113992.

Jansen SA, et al. (2024) Chemotherapy-induced intestinal epithelial damage directly promotes galectin-9-driven modulation of T cell behavior. *iScience*, 27(6), 110072.

Lee S, et al. (2024) Everolimus exerts anticancer effects through inhibiting the interaction of matrix metalloproteinase-7 with syndecan-2 in colon cancer cells. *American journal of physiology. Cell physiology*, 326(4), C1067.

Yoshikawa T, et al. (2024) Development of a chimeric cytokine receptor that captures IL-6 and enhances the antitumor response of CAR-T cells. *Cell reports. Medicine*, 5(5), 101526.