

Resource Summary Report

Generated by [NIF](#) on Aug 20, 2026

Anti-?-Actin Antibody

RRID:AB_476744

Type: Antibody

Proper Citation

Sigma-Aldrich Cat# A5441, RRID:AB_476744

Antibody Information

URL: http://antibodyregistry.org/AB_476744

Proper Citation: Sigma-Aldrich Cat# A5441, RRID:AB_476744

Target Antigen: ?-Actin

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: immunohistochemistry (formalin-fixed, paraffin-embedded sections), indirect ELISA, indirect immunofluorescence using cultured human or chicken fibroblasts, western blot using cultured human or chicken fibroblast cell extracts

Antibody Name: Anti-?-Actin Antibody

Description: This monoclonal targets ?-Actin

Target Organism: chicken, feline, rat, canine, pig, mouse, carp, rabbit, bovine, human, sheep

Clone ID: AC-15

Defining Citation: [PMID:19399893](#), [PMID:18785628](#), [PMID:20653035](#), [PMID:23322532](#)

Antibody ID: AB_476744

Vendor: Sigma-Aldrich

Catalog Number: A5441

Record Creation Time: 20250820T021258+0000

Record Last Update: 20250820T125956+0000

Ratings and Alerts

No rating or validation information has been found for Anti-?-Actin Antibody.

No alerts have been found for Anti-?-Actin Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 1175 mentions in open access literature.

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

Zhang Y, et al. (2026) SERPINA3 mediates liver cancer cells escape from chemotherapy-induced neutrophil extracellular trap killing. Cell reports, 45(2), 116956.

Rampa DR, et al. (2026) Payload Diversification Overcomes Resistance and Guides Sequential Antibody-Drug Conjugate Therapy in Breast Cancer. Clinical cancer research : an official journal of the American Association for Cancer Research, 32(8), 1454.

Fan L, et al. (2026) Molecular characterization of Ebola virus glycoprotein V75A substitution in the 2018-2020 epidemic. Cell, 189(3), 818.

Burke CM, et al. (2026) Antitumor Activity of Trastuzumab Deruxtecan in Pediatric Solid Tumors with Variable HER2 Expression. Molecular cancer therapeutics, 25(1), 156.

Tanaka LY, et al. (2026) A mechanism for the disrupted redox regulation of vascular contractility during aging. iScience, 29(1), 114264.

Molè MA, et al. (2026) Modeling human embryo implantation in vitro. Cell, 189(1), 87.

Lörentz S, et al. (2026) SNAT1 (SLC38A1) Is Not the Main Glutamine Transporter in Melanoma, but Controls Metabolism via Glutamine-Dependent Activation of P62 (SQSTM1)/cMYC-Axis. Cancers, 18(7).

Ocegueda E, et al. (2026) Role of Succinate Dehydrogenase in Age-Related Th17 Inflammation. Aging cell, 25(4), e70451.

Wessendorf-Rodriguez K, et al. (2026) Modeling lipid homeostasis using stable isotope tracing and flux analysis. Cell metabolism, 38(3), 460.

Guilz NC, et al. (2026) Autosomal dominant CDC45 deficiency with allelic expression bias causes a novel genetic disease of the immune system. bioRxiv : the preprint server for biology.

Battle-Recoder C, et al. (2026) DNA polymerase ϵ protects macrophages from DNA damage produced during pro-inflammatory activation. Cell reports, 45(3), 117081.

Blanco-Casoliva L, et al. (2026) Thrombospondin-4 is upregulated in abdominal aortic aneurysm: A vasoprotective response with potential therapeutic relevance. *British journal of pharmacology*, 183(12), 3321.

Sawada K, et al. (2026) Ambient temperature regulates CD4+ T cell tonic T cell receptor signaling and responsiveness. *iScience*, 29(5), 115801.

Seijo-Vila M, et al. (2026) Cannabinoid CB2 receptor drives trastuzumab resistance and predicts durable anti-HER2 response. *Oncogene*, 45(25), 2436.

Sakers K, et al. (2026) Neuroligin-2 is ubiquitinated by Nedd4l to control developmental astrocyte morphogenesis. *The Journal of cell biology*, 225(7).

Ueki H, et al. (2026) A CRISPR knockout mouse library for functional genomics in influenza research. *Cell*, 189(14), 4471.

Takamori S, et al. (2026) M1C IS NECESSARY FOR DARAXONRASIB RESISTANCE OF NSCLC KRAS(G12C) MUTANT CELLS. *bioRxiv : the preprint server for biology*.

Lee SH, et al. (2026) Pharmacogenetic mechanism of cilostazol-induced headaches: Splicing-mediated loss of ABCC5 gene function. *British journal of pharmacology*.

Juric D, et al. (2026) PI3K? Inhibitor and Degradar Inavolisib Can Co-opt FGFR2 to Enhance Responses in Patients with PIK3CA-Mutated Solid Tumors and in Preclinical Models. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 32(1), 56.

Lahme K, et al. (2026) Autoantibody-triggered podocyte membrane budding drives autoimmune kidney disease. *Cell*, 189(1), 123.