

Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 7, 2025

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: 20231110T044412+0000

Record Last Update: 20241115T121022+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 985 mentions in open access literature.

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

Tanabe M, et al. (2025) Role of immature choroid plexus in the pathology of model mice and human iPSC-derived organoids with autism spectrum disorder. *Cell reports*, 44(1), 115133.

Ren Z, et al. (2025) Transforming growth factor-beta 1 enhances discharge activity of cortical neurons. *Neural regeneration research*, 20(2), 548.

Liu Y, et al. (2024) Artemisinin ameliorate polycystic ovarian syndrome by mediating LONP1-CYP11A1 interaction. *Science (New York, N.Y.)*, 384(6701), eadk5382.

Adebayo AK, et al. (2024) Oxygen tension-dependent variability in the cancer cell kinome impacts signaling pathways and response to targeted therapies. *iScience*, 27(6), 110068.

Sun J, et al. (2024) Berberine inhibits NLRP3 inflammasome activation and proinflammatory macrophage M1 polarization to accelerate peripheral nerve regeneration. *Neurotherapeutics : the journal of the American Society for Experimental NeuroTherapeutics*, 21(4), e00347.

Irala D, et al. (2024) Astrocyte-secreted neurocan controls inhibitory synapse formation and function. *Neuron*, 112(10), 1657.

Kölz C, et al. (2024) In silico and biological analyses of missense variants of the human biliary efflux transporter ABCC2: effects of novel rare missense variants. *British journal of pharmacology*, 181(22), 4593.

Chotiner JY, et al. (2024) TRIP13 localizes to synapsed chromosomes and functions as a dosage-sensitive regulator of meiosis. *eLife*, 12.

Yates ME, et al. (2024) ESR1 Fusions Invoke Breast Cancer Subtype-Dependent Enrichment of Ligand-Independent Oncogenic Signatures and Phenotypes. *Endocrinology*, 165(10).

Ji Y, et al. (2024) EHBP1 Is Critically Involved in the Dendritic Arbor Formation and Is Coupled to Factors Promoting Actin Filament Formation. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 44(6).

Ullrich V, et al. (2024) KDM5B predicts temozolomide-resistant subclones in glioblastoma. *iScience*, 27(1), 108596.

Miquel E, et al. (2024) Pyruvate dehydrogenase kinase 2 knockdown restores the ability of amyotrophic lateral sclerosis-linked SOD1G93A rat astrocytes to support motor neuron survival by increasing mitochondrial respiration. *Glia*, 72(5), 999.

Englich AS, et al. (2024) Ankrd26 is a retinoic acid-responsive plasma membrane-binding and -shaping protein critical for proper cell differentiation. *Cell reports*, 43(3), 113939.

Hicks HM, et al. (2024) The effects of Aurora Kinase inhibition on thyroid cancer growth and sensitivity to MAPK-directed therapies. *Cancer biology & therapy*, 25(1), 2332000.

Kosuge A, et al. (2024) Chronic social defeat stress induces the down-regulation of the Nedd4L-GLT-1 ubiquitination pathway in the prefrontal cortex of mice. *Journal of neurochemistry*.

Oevel K, et al. (2024) Rho GTPase signaling and mDia facilitate endocytosis via presynaptic actin. *eLife*, 12.

Koumoundourou A, et al. (2024) Regulation of hippocampal mossy fiber-CA3 synapse function by a Bcl11b/C1ql2/Nrxn3(25b+) pathway. *eLife*, 12.

Kawatake-Kuno A, et al. (2024) Sustained antidepressant effects of ketamine metabolite involve GABAergic inhibition-mediated molecular dynamics in aPVT glutamatergic neurons. *Neuron*.

Delaunay T, et al. (2024) Exogenous non-coding dsDNA-dependent trans-activation of phagocytes augments anti-tumor immunity. *Cell reports. Medicine*, 5(5), 101528.

Sadighi M, et al. (2024) Chronic exposure to imipramine induces a switch from depression-like to mania-like behavior in female serotonin transporter knockout rats: Role of BDNF signaling in the infralimbic cortex. *Journal of affective disorders*, 351, 128.