

Resource Summary Report

Generated by [NIF](#) on Aug 2, 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 1087 mentions in open access literature.

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

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.

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

Hua S, et al. (2026) Spatiotemporal profiling of endocytic regulators in the immunosuppressive TAM microenvironment of glioma. *Brain research*, 1872, 150086.

Neve B, et al. (2026) Long non-coding RNA UCA1 modulates SMARCA2-containing SWI/SNF chromatin remodeling complexes in human colorectal cancer. *iScience*, 29(1), 114283.

Hurley K, et al. (2026) PARP1 recruits SPRTN to DNA-protein crosslinks through a conserved poly-ADP-ribose binding domain. *bioRxiv : the preprint server for biology*.

Li F, et al. (2026) Overexpression of the inwardly rectifying potassium channel Kir4.1 or Kir4.1 Tyr 9 Asp in Müller cells exerts neuroprotective effects in an experimental glaucoma model. *Neural regeneration research*, 21(4), 1628.

Diamond EL, et al. (2026) RAF-independent MEK mutations drive refractory histiocytic neoplasms but respond to ERK inhibition. *Cancer cell*, 44(1), 203.

den Hollander P, et al. (2026) EMT-induced stem cell and mesenchymal programs can be decoupled via cell division and ESRP1-dependent mechanisms. *iScience*, 29(1), 114284.

Vilches-Herrando E, et al. (2026) The Calcium-Binding Protein S100A10 (p11) Is Required for Normal Motor Performance by Regulating Vesicle Dynamics at Excitatory Synapses. *Acta physiologica (Oxford, England)*, 242(2), e70158.

Deng ZJ, et al. (2026) HMOX1 drives dihydroartemisinin-sensitized ferroptosis antagonized by mitochondrial fusion. *iScience*, 29(1), 114382.

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

Zhang F, et al. (2025) RHEB neddylation by the UBE2F-SAG axis enhances mTORC1 activity and aggravates liver tumorigenesis. *The EMBO journal*, 44(4), 1185.

Ohnishi M, et al. (2025) Thrombin-induced kynurenine 3-monooxygenase causes variations in the kynurenine pathway, leading to neurological deficits in a murine intracerebral hemorrhage model. *Journal of pharmacological sciences*, 157(2), 65.

Sun L, et al. (2025) Phosphorylation of SIRT7 by ATM causes DNA mismatch repair downregulation and adaptive mutability during chemotherapy. *Cell reports*, 44(2), 115269.

Yonesaka K, et al. (2025) Chromosomal Instability Is Associated with cGAS-STING Activation in EGFR-TKI Refractory Non-Small-Cell Lung Cancer. *Cells*, 14(6).

Morival C, et al. (2025) Generation of a compound heterozygous ABCA4 rat model with pathological features of STGD1. *Human molecular genetics*, 34(12), 1040.

Minikes AM, et al. (2025) HIF-independent oxygen sensing via KDM6A regulates ferroptosis. *Molecular cell*, 85(15), 2973.

Le Pelletier L, et al. (2025) C-C chemokine ligand 5 from women subcutaneous adipose tissue has a central role in vascular aging. *Cardiovascular diabetology*, 24(1), 295.

Tortolani D, et al. (2025) Chronic palmitoylethanolamide administration via slow-release subcutaneous pellets promotes neuroprotection and mitigates neuroinflammation in the Tg2576 mouse model of Alzheimer's disease. *Frontiers in cellular neuroscience*, 19, 1571428.