

Resource Summary Report

Generated by SPARC SAWG on Sep 5, 2026

Anti-Actin Monoclonal Antibody, Unconjugated, Clone AC-40

RRID:AB_262137

Type: Antibody

Proper Citation

Sigma-Aldrich Cat# A3853, RRID:AB_262137

Antibody Information

URL: http://antibodyregistry.org/AB_262137

Proper Citation: Sigma-Aldrich Cat# A3853, RRID:AB_262137

Target Antigen: Actin

Host Organism: mouse

Clonality: monoclonal

Comments: Vendor recommendations: ELISA; Immunocytochemistry; Immunohistochemistry; Western Blot; Immunoblotting, Immunocytochemistry, Immunohistochemistry, Direct ELISA

Antibody Name: Anti-Actin Monoclonal Antibody, Unconjugated, Clone AC-40

Description: This monoclonal targets Actin

Target Organism: snail, other, chicken, chickenavian, rat, hamster, xenopus, porcine, canine, goat, pig, mouse, carp, rabbit, bovine, viper, human, sheep

Clone ID: Clone AC-40

Defining Citation: [PMID:22886421](https://pubmed.ncbi.nlm.nih.gov/22886421/)

Antibody ID: AB_262137

Vendor: Sigma-Aldrich

Catalog Number: A3853

Record Creation Time: 20231110T045120+0000

Ratings and Alerts

No rating or validation information has been found for Anti-Actin Monoclonal Antibody, Unconjugated, Clone AC-40.

No alerts have been found for Anti-Actin Monoclonal Antibody, Unconjugated, Clone AC-40.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 75 mentions in open access literature.

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

Ogawa M, et al. (2026) FGF21 suppresses hepatocellular carcinoma by driving competitive cell-cell interactions. Cell reports, 45(6), 117410.

Felix-Lopez A, et al. (2026) FGFR signaling and neddylation facilitate SARS-CoV-2 infection by modulating interferon induction and viral entry, respectively. iScience, 29(2), 114566.

Xia Z, et al. (2026) A GPX1-OSBPL8 axis mediates noncanonical in vivo ferroptosis and cancer growth suppression. Cell, 189(7), 1957.

Harhai M, et al. (2025) An updated inventory of genes essential for oxidative phosphorylation identifies a mitochondrial origin in familial Ménière's disease. Cell reports, 44(8), 116069.

Zhang Z, et al. (2025) A sensory and motor neuropathy caused by a genetic variant of NAMPT. Science advances, 11(39), eadx2407.

Sugawara T, et al. (2025) EFA6A, a Guanine Nucleotide Exchange Factor for Arf6, Regulates Developmental Stage-Dependent Spine Morphogenesis, Synaptic Plasticity, and Long-Term Memory in the Hippocampus. Molecular neurobiology, 62(9), 11904.

Martin-Arevalillo R, et al. (2025) Synthetic deconvolution of an auxin-dependent transcriptional code. Cell, 188(11), 2872.

Fath J, et al. (2025) BDNF exerts an NRF2-dependent cytoprotective function via a receptor-independent pathway. Cell reports, 44(12), 116587.

Bhandari J, et al. (2024) The molecular chaperone ALYREF promotes R-loop resolution and maintains genome stability. The Journal of biological chemistry, 300(12), 107996.

- Yip HYK, et al. (2024) Integrative modeling uncovers p21-driven drug resistance and prioritizes therapies for PIK3CA-mutant breast cancer. *NPJ precision oncology*, 8(1), 20.
- Baytas O, et al. (2024) Loss of mitochondrial enzyme GPT2 leads to reprogramming of synaptic glutamate metabolism. *bioRxiv : the preprint server for biology*.
- Patrone LGA, et al. (2024) Long-term effects on cardiorespiratory and behavioral responses in male and female rats prenatally exposed to cannabinoid. *American journal of physiology. Lung cellular and molecular physiology*, 327(3), L341.
- Coats JT, et al. (2024) Elraglusib Induces Cytotoxicity via Direct Microtubule Destabilization Independently of GSK3 Inhibition. *Cancer research communications*, 4(11), 3013.
- Yang X, et al. (2024) PHLDA2-mediated phosphatidic acid peroxidation triggers a distinct ferroptotic response during tumor suppression. *Cell metabolism*, 36(4), 762.
- Dandavate V, et al. (2024) Hepatic BMAL1 and HIF1 α regulate a time-dependent hypoxic response and prevent hepatopulmonary-like syndrome. *Cell metabolism*, 36(9), 2038.
- Li Y, et al. (2024) Pharmacological inhibition of neddylation impairs long interspersed element 1 retrotransposition. *Cell reports*, 43(2), 113749.
- Ast T, et al. (2024) METTL17 is an Fe-S cluster checkpoint for mitochondrial translation. *Molecular cell*, 84(2), 359.
- He Y, et al. (2024) Identification of a marine-derived sesquiterpenoid, Compound-8, that inhibits tumour necrosis factor-induced cell death by blocking complex II assembly. *British journal of pharmacology*, 181(15), 2443.
- Baytas O, et al. (2024) Loss of mitochondrial enzyme GPT2 leads to reprogramming of synaptic glutamate metabolism. *Molecular brain*, 17(1), 87.
- Yang X, et al. (2023) Regulation of VKORC1L1 is critical for p53-mediated tumor suppression through vitamin K metabolism. *Cell metabolism*, 35(8), 1474.