

Resource Summary Report

Generated by [NIF](#) on Jul 29, 2026

Monoclonal Anti-Actin antibody produced in mouse

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 antibody produced in mouse

Host Organism: mouse

Clonality: monoclonal

Comments: Vendor recommendations: IgG2a ELISA; Immunohistochemistry; Immunocytochemistry; Other; Western Blot; immunoblotting: 1-2 mug/mL

Antibody Name: Monoclonal Anti-Actin antibody produced in mouse

Description: This monoclonal targets Actin antibody produced in mouse

Target Organism: snail, chicken, rat, hamster, xenopusamphibian, xenopus, porcine, canine, reptile, goat, pig, mouse, carp, chickenbird, zebrafishfish, mollusc, rabbit, bovine, viper, human, sheep

Defining Citation: [PMID:22886421](#)

Antibody ID: AB_262137

Vendor: Sigma-Aldrich

Catalog Number: A3853

Record Creation Time: 20250819T210334+0000

Record Last Update: 20250819T214239+0000

Ratings and Alerts

No rating or validation information has been found for Monoclonal Anti-Actin antibody produced in mouse.

No alerts have been found for Monoclonal Anti-Actin antibody produced in mouse.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 72 mentions in open access literature.

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

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.

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

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.

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.

Coats JT, et al. (2024) Elraglusib Induces Cytotoxicity via Direct Microtubule Destabilization Independently of GSK3 Inhibition. *Cancer research communications*, 4(11), 3013.

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.

Baytas O, et al. (2024) Loss of mitochondrial enzyme GPT2 leads to reprogramming of synaptic glutamate metabolism. *bioRxiv : the preprint server for biology*.

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.

Ast T, et al. (2024) METTL17 is an Fe-S cluster checkpoint for mitochondrial translation. *Molecular cell*, 84(2), 359.

Li Y, et al. (2024) Pharmacological inhibition of neddylation impairs long interspersed element 1 retrotransposition. *Cell reports*, 43(2), 113749.

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.

Bousslama R, et al. (2023) Phosphorylation of PACSIN2 at S313 Regulates Podocyte Architecture in Coordination with N-WASP. *Cells*, 12(11).

Morishita K, et al. (2023) Sodium ion influx regulates liquidity of biomolecular condensates in hyperosmotic stress response. *Cell reports*, 42(4), 112315.

Rossini S, et al. (2023) A back-door insight into the modulation of Src kinase activity by the polyamine spermidine. *eLife*, 12.