

Resource Summary Report

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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](#)

Antibody ID: AB_262137

Vendor: Sigma-Aldrich

Catalog Number: A3853

Record Creation Time: 20250820T045646+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 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.

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.

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.

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

Baytas O, et al. (2024) Loss of mitochondrial enzyme GPT2 leads to reprogramming of synaptic glutamate metabolism. *Molecular brain*, 17(1), 87.

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.

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

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.

Jin L, et al. (2023) Mechanism underlying follicular hyperproliferation and oncogenesis in hidradenitis suppurativa. *iScience*, 26(6), 106896.