

# Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on Apr 15, 2025

## Anti-?-Actin antibody, Mouse monoclonal

RRID:AB\_476692

Type: Antibody

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### Proper Citation

(Sigma-Aldrich Cat# A1978, RRID:AB\_476692)

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### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_476692](http://antibodyregistry.org/AB_476692)

**Proper Citation:** (Sigma-Aldrich Cat# A1978, RRID:AB\_476692)

**Target Antigen:** ?-Actin

**Host Organism:** mouse

**Clonality:** monoclonal

**Comments:** Applications: immunocytochemistry, immunohistochemistry (frozen sections), indirect immunofluorescence, microarray, western blot

**Antibody Name:** Anti-?-Actin antibody, Mouse monoclonal

**Description:** This monoclonal targets ?-Actin

**Target Organism:** chicken, feline, rat, canine, pig, mouse, carp, rabbit, bovine, human, sheep

**Clone ID:** Clone AC-15

**Defining Citation:** [PMID:18752272](#)

**Antibody ID:** AB\_476692

**Vendor:** Sigma-Aldrich

**Catalog Number:** A1978

**Record Creation Time:** 20231110T080855+0000

**Record Last Update:** 20241115T053800+0000

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## Ratings and Alerts

No rating or validation information has been found for Anti-?-Actin antibody, Mouse monoclonal.

No alerts have been found for Anti-?-Actin antibody, Mouse monoclonal.

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## Data and Source Information

**Source:** [Antibody Registry](#)

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## Usage and Citation Metrics

We found 514 mentions in open access literature.

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

Kundu D, et al. (2025) Roles of metabotropic signaling of nicotine receptors in the development and maintenance of nicotine reward through regulation of dopamine D3 receptor expression. *Journal of neurochemistry*, 169(1), e16271.

Peng H, et al. (2024) Define Critical Parameters of Trastuzumab-Mediated ADCC Assays via Assay Optimization Processes, Focusing on the Impact of Cryopreserved Effector Cells on Assay Performance. *Cancers*, 16(13).

Nanes BA, et al. (2024) Shifts in keratin isoform expression activate motility signals during wound healing. *Developmental cell*, 59(20), 2759.

Hacisuleyman E, et al. (2024) Neuronal activity rapidly reprograms dendritic translation via eIF4G2:uORF binding. *Nature neuroscience*, 27(5), 822.

Han Y, et al. (2024) Regulation of the intestinal Na<sup>+</sup>/H<sup>+</sup> exchanger NHE3 by AMP-activated kinase is dependent on phosphorylation of NHE3 at S555 and S563. *American journal of physiology. Cell physiology*, 326(1), C50.

Lao-Peregrin C, et al. (2024) Synaptic plasticity via receptor tyrosine kinase/G-protein-coupled receptor crosstalk. *Cell reports*, 43(1), 113595.

Ma H, et al. (2024) Pirin Inhibits FAS-Mediated Apoptosis to Support Colorectal Cancer Survival. *Advanced science (Weinheim, Baden-Wuerttemberg, Germany)*, 11(10), e2301476.

Ikemizu A, et al. (2024) Identification and Characterization of Synaptic Vesicle Membrane

Protein VAT-1 Homolog as a New Catechin-Binding Protein. *Biological & pharmaceutical bulletin*, 47(2), 509.

Li J, et al. (2024) Cullin-RING ligases employ geometrically optimized catalytic partners for substrate targeting. *Molecular cell*.

Thierer JH, et al. (2024) Pla2g12b drives expansion of triglyceride-rich lipoproteins. *Nature communications*, 15(1), 2095.

Girnius N, et al. (2024) Cilengitide sensitivity is predicted by overall integrin expression in breast cancer. *Breast cancer research : BCR*, 26(1), 187.

Ding X, et al. (2024) Age-dependent regulation of axoglial interactions and behavior by oligodendrocyte AnkyrinG. *Nature communications*, 15(1), 10865.

Carneiro de Oliveira K, et al. (2024) Tubular deficiency of ABCA1 augments cholesterol- and Na<sup>+</sup>-dependent effects on systemic blood pressure in male mice. *American journal of physiology. Renal physiology*, 326(2), F265.

Mudumbi KC, et al. (2024) Distinct interactions stabilize EGFR dimers and higher-order oligomers in cell membranes. *Cell reports*, 43(1), 113603.

Sun Y, et al. (2024) AURKA Enhances the Glycolysis and Development of Ovarian Endometriosis Through ER?. *Endocrinology*, 165(4).

Zheng R, et al. (2024) hnRNPM protects against the dsRNA-mediated interferon response by repressing LINE-associated cryptic splicing. *Molecular cell*, 84(11), 2087.

Geanes ES, et al. (2024) SARS-CoV-2 envelope protein regulates innate immune tolerance. *iScience*, 27(6), 109975.

Rodrigues P, et al. (2024) Increased levels of advanced oxidation protein products (AOPPs) were associated with nociceptive behavior and clinical scores in an experimental progressive autoimmune encephalomyelitis model (PMS-EAE). *Journal of neurochemistry*.

Sangineto M, et al. (2024) Monocyte bioenergetics: An immunometabolic perspective in metabolic dysfunction-associated steatohepatitis. *Cell reports. Medicine*, 5(5), 101564.

Dong Y, et al. (2024) Structural transitions enable interleukin-18 maturation and signaling. *Immunity*, 57(7), 1533.