

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

Anti-?-Actin antibody, Mouse monoclonal

RRID:AB_476692

Type: Antibody

Proper Citation

Sigma-Aldrich Cat# A1978, RRID:AB_476692

Antibody Information

URL: 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: 20250820T052620+0000

Record Last Update: 20250820T213441+0000

Ratings and Alerts

- Used for western blot assay by the Human Islet Research Network community.
Contact(s): [Jose Oberholzer](#), [Dale Greiner](#), [Douglas Melton](#) - Human Islets Research Network <https://hirnetwork.org/>

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

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 574 mentions in open access literature.

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

Ga?ecki S, et al. (2026) Unraveling Subcellular Ultrastructure with Cyclically Multiplexed Expansion Microscopy. bioRxiv : the preprint server for biology.

Benske TM, et al. (2026) A GluN2B disease-associated variant promotes the degradation of NMDA receptors via autophagy. The Journal of biological chemistry, 111147.

Daley BR, et al. (2025) SOS1 Inhibition Enhances the Efficacy of KRASG12C Inhibitors and Delays Resistance in Lung Adenocarcinoma. Cancer research, 85(1), 118.

Boutanquoi PM, et al. (2025) An antisense oligonucleotide targeting the heat-shock protein HSPB5 as an innovative therapeutic approach in pulmonary fibrosis. British journal of pharmacology, 182(12), 2713.

Kim WJ, et al. (2025) Mis-splicing-derived neoantigens and cognate TCRs in splicing factor mutant leukemias. Cell, 188(13), 3422.

Schneider JL, et al. (2025) GUK1 activation is a metabolic liability in lung cancer. Cell, 188(5), 1248.

Maurya SK, et al. (2025) Mucin 5AC Promotes Breast Cancer Brain Metastasis through cMET/CD44v6. Clinical cancer research : an official journal of the American Association for Cancer Research, 31(5), 921.

Mizuno T, et al. (2025) Characterization of anti-canine CD20 antibody 4E1-7-B_f and comparison with commercially available anti-human CD20 antibodies. PloS one, 20(6), e0325526.

Iannucci A, et al. (2025) The PYRIN domain is required for TLR4-mediated inflammation by PYHIN family members. iScience, 28(5), 112413.

Su H, et al. (2025) Targeting PGM3 abolishes SREBP-1 activation-hexosamine synthesis feedback regulation to effectively suppress brain tumor growth. Science advances, 11(16), eadq0334.

Bernal S, et al. (2025) Development of SOCS1 mimetics as novel approach to harmonize inflammation, oxidative stress, and fibrogenesis in metabolic dysfunction-associated steatotic liver disease. *Redox biology*, 84, 103670.

Höpfel S, et al. (2025) Integrated mathematical and experimental modeling uncovers enhanced EMT plasticity upon loss of the DLC1 tumor suppressor. *PLoS computational biology*, 21(5), e1013076.

Park JS, et al. (2025) L1CAM signaling through planar cell polarity generates SOX2 + metastatic progenitors in lung adenocarcinoma. *bioRxiv : the preprint server for biology*.

Li J, et al. (2025) Serotonin-licensed macrophages potentiate chemoresistance via inositol metabolic crosstalk in ovarian cancer. *Cell metabolism*.

Sobierajski E, et al. (2025) Expression of synaptic proteins and development of dendritic spines in fetal and postnatal neocortex of the pig, the European wild boar *Sus scrofa*. *Brain structure & function*, 230(2), 38.

Song J, et al. (2025) Anti-neuroinflammatory agent rhein lysinate-based self-assembled injectable hydrogel loaded with ZL006 for promoting post-stroke functional recovery. *Biomaterials*, 318, 123124.

Wang CA, et al. (2025) Intercellular TIMP-1-CD63 signaling directs the evolution of immune escape and metastasis in KRAS-mutated pancreatic cancer cells. *Molecular cancer*, 24(1), 25.

Yu X, et al. (2025) The GIP receptor activates futile calcium cycling in white adipose tissue to increase energy expenditure and drive weight loss in mice. *Cell metabolism*, 37(1), 187.

Silva J, et al. (2025) Sub-Immunosuppressive Tacrolimus Ameliorates Amyloid-Beta and Tau Pathology in 3xTg-AD Mice. *International journal of molecular sciences*, 26(5).

Tripathi A, et al. (2025) Nrf2 drives activation-driven expansion of CD4⁺T cells by modulating glucose and glutamine metabolism. *Cell reports*, 44(9), 116177.