

Resource Summary Report

Generated by [RRID](#) on Aug 13, 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 609 mentions in open access literature.

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

Tang T, et al. (2026) Ribosomal Profiling of the Geniculate Ganglion Identifies the Receptor ALK as Critical for the Development and Maintenance of Oral Sensory Neurons. The Journal of neuroscience : the official journal of the Society for Neuroscience, 46(14).

Garbett KA, et al. (2026) Cytoplasmic tail diversity determines the effector bias of the adhesion GPCR ADGRL2. Cell chemical biology, 33(3), 364.

Uboveja A, et al. (2026) ?KG-mediated carnitine synthesis drives DNA repair via histone acetylation. Nature, 655(8123), 790.

Cubiella T, et al. (2026) Epigenetic and metabolic rewiring in metastatic pheochromocytomas and paragangliomas driven by SDHB mutations. Communications biology, 9(1), 266.

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

Park JS, et al. (2026) Development of Antibody-Drug Conjugates Targeting L1CAM to Treat Metastatic Cancer. Molecular cancer therapeutics, 25(6), 897.

Tosun B, et al. (2026) The atypical adhesion GPCR ADGRA1 controls hippocampal inhibitory circuit function. Cell reports, 45(4), 117255.

Zhong Y, et al. (2026) SREBP-1 upregulates SOAT1 to promote tumor growth by preventing lipotoxicity. Cell reports, 45(2), 116896.

Dinh DT, et al. (2026) Estrogen receptor alpha and beta chromatin interactions govern ovarian folliculogenesis but dissipate during ovulation. Endocrinology, 167(6).

Gómez-Deza J, et al. (2026) ATF2 phosphorylation is a core transcriptional driver of neuron apoptosis. Neuron, 114(12), 2183.

Nagasse HY, et al. (2026) TDP43 and hnRNP K Regulate Alternative Splicing of DNAJC5. *Cell biology international*, 50(4), e70158.

Wang Y, et al. (2026) 5-HT_{2A} receptors in the prelimbic cortex VIP-expressing interneurons: A mechanism for psychedelic-induced innate fear attenuation. *British journal of pharmacology*, 183(14), 4072.

Ma X, et al. (2026) UFMylation-dependent inhibition of AKT signaling by PHLDA3 in lung adenocarcinoma. *Cell reports*, 45(4), 117154.

Ravegnini G, et al. (2026) Identification of MBT3T as a new effective therapeutic option in imatinib-resistant gastrointestinal stromal tumors (GISTs). *Journal of experimental & clinical cancer research : CR*, 45(1).

Grafals-Ruiz N, et al. (2026) M6 metabolite contributes to the efficacy of the Rac/Cdc42 inhibitor MBQ-167 in metastatic breast cancer. *Molecular cancer therapeutics*.

Iseppon F, et al. (2026) Shared and specific molecular mechanisms of proteasome inhibitors in chemotherapy-induced peripheral neurotoxicity. *British journal of pharmacology*, 183(16), 5120.

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

Kawase M, et al. (2026) Phospholipid flippases ATP8A1 and ATP8A2 regulate GABAA receptor trafficking through distinct mechanisms in hippocampal neurons. *iScience*, 29(7), 116626.

Sun M, et al. (2026) ER-derived caveolin-coated vesicles transport newly synthesized cholesterol to the plasma membrane. *The Journal of cell biology*, 225(6).

Hanley SE, et al. (2026) Cyclin C promotes pancreatic development and suppresses cancer initiation by maintenance of the autophagy-lysosome pathway. *iScience*, 29(3), 114949.