

Resource Summary Report

Generated by ASWG on Aug 9, 2026

Anti-Actin Antibody, clone C4

RRID:AB_2223041

Type: Antibody

Proper Citation

Sigma-Aldrich Cat# MAB1501, RRID:AB_2223041

Antibody Information

URL: http://antibodyregistry.org/AB_2223041

Proper Citation: Sigma-Aldrich Cat# MAB1501, RRID:AB_2223041

Target Antigen: actin

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: ELISA, IC, IF, IH, IH(P), WB
Consolidation 2016: AB_11212828, AB_570950, AB_11214116, AB_94235

Antibody Name: Anti-Actin Antibody, clone C4

Description: This monoclonal targets actin

Target Organism: all

Clone ID: clone C4

Antibody ID: AB_2223041

Vendor: Sigma-Aldrich

Catalog Number: MAB1501

Record Creation Time: 20250820T054149+0000

Record Last Update: 20250820T221435+0000

Ratings and Alerts

- Used for western blot assay by the Human Islet Research Network community.
Contact(s): [Carmella Evans-Molina](#) - Human Islets Research Network
<https://hirnetwork.org/>

No alerts have been found for Anti-Actin Antibody, clone C4.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 422 mentions in open access literature.

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

Cerasuolo A, et al. (2026) Human papillomavirus 16 E6 oncoprotein promotes up-regulation of RNA-binding protein Sam68 in head and neck cancer. *Frontiers in microbiology*, 17, 1657818.

Wada S, et al. (2026) Regulation of the endoplasmic reticulum stress sensor ATF6? through multiple oxidoreductases in the ER. *iScience*, 29(6), 116290.

Luo L, et al. (2026) CDK2 inhibitor BLU-222 synergizes with CDK4/6 inhibitors in drug resistant breast cancers through p21/p27 induction. *Nature communications*, 17(1), 619.

Dörner K, et al. (2026) Fluorescent protein and peptide tags alter condensate formation and dynamics in vivo and in vitro. *EMBO reports*, 27(1), 89.

Chen D, et al. (2026) Investigating the role of baseline gut *Akkermansia muciniphila* and its co-metabolite palmitoleic acid in BCG vaccine efficacy: a preclinical study. *EBioMedicine*, 130, 106404.

Deng GC, et al. (2026) Transthyretin-mediated regulation of neuropathic pain and anxiety-like behavior in the lateral parabrachial nucleus. *Cell reports*, 45(1), 116860.

Hill EJ, et al. (2026) Temporal regulation of human reactive astrocytes reveals their capacity for antigen presentation. *Neuron*, 114(13), 2331.

Brenner M, et al. (2026) Metabolic rewiring driven by phosphoglycolate phosphatase deletion inhibits ferroptosis. *Science advances*, 12(22), eaeb2368.

Pinto CS, et al. (2026) Actin arginylation alters myosin engagement and F-actin patterning despite structural conservation. *The Journal of cell biology*, 225(1).

Bronnec P, et al. (2026) SpeckSeq enables high-throughput functional stratification of MEFV variants in autoinflammatory diseases. *The Journal of experimental medicine*, 223(2).

Hsieh WC, et al. (2026) Hyperoside protects against poly-GR-mediated neurodegeneration via regulation of mitochondrial fission and oxidative stress in C9orf72-

associated ALS. Chinese medicine, 21(1).

Goto S, et al. (2026) Lineage plasticity driven by GATA6 loss fuels colorectal cancer metastasis. Cell stem cell.

Gonzalez-Areizaga G, et al. (2026) Constraining regulatory domain dynamics of the Src kinase Fgr increases ATP-site inhibitor sensitivity and impairs bone marrow engraftment. Cell reports, 45(6), 117551.

Bott CJ, et al. (2026) Lipid transfer protein ORP3 mediates lysosomal repair via LC3B and ubiquitin-TAK1-p38 signaling. bioRxiv : the preprint server for biology.

Ikedo A, et al. (2026) Aromatase in adipose tissue exerts an osteoprotective function in male mice via phosphate regulation. Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research, 41(3), 324.

Lewis AC, et al. (2026) Inhibition of heme biosynthesis triggers cuproptosis in acute myeloid leukemia. Cell, 189(1), 215.

Rockfield SM, et al. (2026) Protein domain characterization reveals human MIC60 tolerates loss of helical bundle domain. bioRxiv : the preprint server for biology.

Oakley RH, et al. (2026) Glucocorticoid Receptor Translational Isoforms Generate Unique Glucocorticoid Responses in the Mouse Brain. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 40(12), e72040.

Porschen LT, et al. (2026) Circulating sphingosine-1-phosphate depletion is associated with endothelial activation and altered brain-endothelial S1P pathway expression in ischemic stroke. Fluids and barriers of the CNS, 23(1).

Kodama T, et al. (2025) The eukaryotic elongation factor 2 kinase inhibitor, A484954, induces hypoglycaemic and hypotensive effects. British journal of pharmacology, 182(8), 1823.