

Resource Summary Report

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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 405 mentions in open access literature.

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

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.

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

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

Meert L, et al. (2025) A CHD8-TRRAP axis facilitates MYC and E2F target gene regulation in human neural stem cells. iScience, 28(3), 111978.

Tzou FY, et al. (2025) Dihydroceramide desaturase modulates autolysosome maturation and ameliorates CRB1 retinopathy. Biochimica et biophysica acta. Molecular basis of disease, 1871(5), 167736.

Pearson AC, et al. (2025) Neurotensin Regulates Primate Ovulation Via Multiple Neurotensin Receptors. Endocrinology, 166(5).

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.

Lahaye X, et al. (2025) Centromeric DNA amplification triggered by viral proteins activates nuclear cGAS. Cell, 188(15), 4043.

Eubanks E, et al. (2025) Increased burden of rare risk variants across gene expression networks predisposes to sporadic Parkinson's disease. Cell reports, 44(5), 115636.

Dong J, et al. (2025) Rab10 regulates neuropeptide release by maintaining Ca²⁺ homeostasis and protein synthesis. eLife, 13.

Oberst P, et al. (2025) Environmental and genetic risk factors of depression converge on neuronal dysfunction driven by changes in cholesterol homeostasis. Developmental cell.

Nihashi A, et al. (2025) Inducible NMDA receptor knockdown reveals a maintenance phase in dendritic refinement of barrel cortex neurons. *iScience*, 28(8), 113229.

Chovatiya G, et al. (2025) Cell-type-specific RNA polymerase II activity maps in intact tissues provide a gateway to mammalian gene regulatory mechanisms in vivo. *Developmental cell*.

Young J, et al. (2025) RNF216 variants found in patients with dementia, hypogonadotropic hypogonadism and severe ataxia deregulate autophagy. *The Journal of clinical endocrinology and metabolism*.

Pokharel PV, et al. (2025) Oxidative Stress Suppresses Trk Signaling While Stimulating JNK-Mediated Endocytosis and Cleavage of p75^{NTR}: A Targetable Pathway for Neuroprotection in a Parkinson's Disease Model. *Journal of neurochemistry*, 169(2), e70010.

Zhang K, et al. (2025) Human TRMT1 and TRMT1L paralogs ensure the proper modification state, stability, and function of tRNAs. *Cell reports*, 44(1), 115092.

Ma Q, et al. (2025) Oligodendrocytes drive neuroinflammation and neurodegeneration in Parkinson's disease via the prosaposin-GPR37-IL-6 axis. *Cell reports*, 44(2), 115266.

Bergadà-Martínez A, et al. (2025) Sub-chronic administration of AM6545 enhances cognitive performance and induces hippocampal synaptic plasticity changes in naïve mice. *British journal of pharmacology*, 182(13), 2914.

Yee PS, et al. (2025) Interferon-Inducible ADAR1 p150 Is Essential for the Survival of Oral Squamous Cell Carcinoma. *Molecular carcinogenesis*, 64(6), 1066.

Chang TY, et al. (2025) Preclinical evaluation of a novel antibody-drug conjugate OBI-992 for Cancer therapy. *Scientific reports*, 15(1), 8735.