

Resource Summary Report

Generated by [RRID](#) on Sep 7, 2026

Anti-beta-Actin Antibody, clone 4C2

RRID:AB_2571580

Type: Antibody

Proper Citation

Millipore Cat# MABT825, RRID:AB_2571580

Antibody Information

URL: http://antibodyregistry.org/AB_2571580

Proper Citation: Millipore Cat# MABT825, RRID:AB_2571580

Target Antigen: ACTB

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: Western Blotting, Immunocytochemistry
Info: This product is offered by the following vendors: AbD Serotec MCA5775GA, Millipore MABT825, Nordic-MUBio MUB0110S; According to antibody originating lab originating PMID:19638415

Antibody Name: Anti-beta-Actin Antibody, clone 4C2

Description: This monoclonal targets ACTB

Target Organism: chicken, rat, mouse, human

Clone ID: 4C2

Defining Citation: [PMID:19638415](#)

Antibody ID: AB_2571580

Vendor: Millipore

Catalog Number: MABT825

Record Creation Time: 20231110T035125+0000

Record Last Update: 20260901T052919+0000

Ratings and Alerts

No rating or validation information has been found for Anti-beta-Actin Antibody, clone 4C2.

No alerts have been found for Anti-beta-Actin Antibody, clone 4C2.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Niehaus I, et al. (2026) Cerebral organoids expressing mutant actin genes reveal cellular mechanism underlying microcephaly. EMBO reports, 27(2), 387.

Lee HL, et al. (2026) Host-transposon mutualism supports regeneration in planarians. Developmental cell, 61(5), 1061.

Barnaba D, et al. (2025) LEADR, a p63 target, dampens interferon signalling in bladder cancer. Cell death discovery, 11(1), 264.

Martins CS, et al. (2025) Genetically encoded reporters of actin filament organization in living cells and tissues. Cell, 188(9), 2540.

MacTaggart B, et al. (2025) Arginylation of γ -tubulin at E77 regulates microtubule dynamics via MAP1S. The Journal of cell biology, 224(4).

Daryadel A, et al. (2024) Zona Glomerulosa-Derived Klotho Modulates Aldosterone Synthase Expression in Young Female Mice. Endocrinology, 165(5).

Sun CX, et al. (2023) Generation and multi-dimensional profiling of a childhood cancer cell line atlas defines new therapeutic opportunities. Cancer cell, 41(4), 660.

Sompel K, et al. (2022) Iloprost requires the Frizzled-9 receptor to prevent lung cancer. iScience, 25(6), 104442.

Lo HC, et al. (2020) IL-27/IL-27RA signaling may modulate inflammation and progression of benign prostatic hyperplasia via suppressing the LPS/TLR4 pathway. Translational cancer research, 9(8), 4618.

Skruber K, et al. (2020) Arp2/3 and Mena/VASP Require Profilin 1 for Actin Network Assembly at the Leading Edge. Current biology : CB, 30(14), 2651.

Sinha S, et al. (2020) Pbrm1 Steers Mesenchymal Stromal Cell Osteolineage Differentiation by Integrating PBAF-Dependent Chromatin Remodeling and BMP/TGF- β Signaling. Cell reports, 31(4), 107570.

Delint-Ramirez I, et al. (2020) Cocaine-Induced Synaptic Redistribution of NMDARs in Striatal Neurons Alters NMDAR-Dependent Signal Transduction. *Frontiers in neuroscience*, 14, 698.