

# Resource Summary Report

Generated by [RRID](#) on Aug 6, 2026

## Anti-Actin antibody [ACTN05 (C4)]

RRID:AB\_303668

Type: Antibody

### Proper Citation

Abcam Cat# ab3280, RRID:AB\_303668

### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_303668](http://antibodyregistry.org/AB_303668)

**Proper Citation:** Abcam Cat# ab3280, RRID:AB\_303668

**Target Antigen:** Actin

**Host Organism:** mouse

**Clonality:** monoclonal

**Comments:** Discontinued; Applications: Flow Cyt, IP, WB, IHC-Fr, IHC-P, ICC/IF

**Antibody Name:** Anti-Actin antibody [ACTN05 (C4)]

**Description:** This monoclonal targets Actin

**Target Organism:** Human, Rat, Physarum polycephalum, Rabbit, Cow, Pig, Dictyostelium discoideum, Mouse, Dog

**Clone ID:** ACTN05 (C4)

**Antibody ID:** AB\_303668

**Vendor:** Abcam

**Catalog Number:** ab3280

**Record Creation Time:** 20250819T214306+0000

**Record Last Update:** 20250819T235214+0000

### Ratings and Alerts

No rating or validation information has been found for Anti-Actin antibody [ACTN05 (C4)].

No alerts have been found for Anti-Actin antibody [ACTN05 (C4)].

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## Data and Source Information

**Source:** [Antibody Registry](#)

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## Usage and Citation Metrics

We found 46 mentions in open access literature.

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

Knittel TL, et al. (2025) Interdependence of Pasha and Drosha for localization and function of the Microprocessor in *C. elegans*. *Nature communications*, 16(1), 5595.

Zhao Y, et al. (2025) Comparative proteomic analysis of plasma exosomes reveals the functional contribution of N-acetyl-alpha-glucosaminidase to Parkinson's disease. *Neural regeneration research*, 20(10), 2998.

Lanz M, et al. (2025) mTORC2 Regulates Actin Polymerization in Auditory Cells. *Journal of neurochemistry*, 169(2), e70012.

Ranjan R, et al. (2025) N-glycosylation modulates the inactivation kinetics of the Kv3.4 ion channel. *iScience*, 28(9), 113409.

VanDerMolen KR, et al. (2025) Non-cell-autonomous regulation of mTORC2 by Hedgehog signaling maintains lipid homeostasis. *Cell reports*, 44(1), 115191.

Chen S, et al. (2025) Nuclear Argonaute protein NRDE-3 switches small RNA partners during embryogenesis to mediate temporal-specific gene regulatory activity. *eLife*, 13.

Kao YR, et al. (2024) An iron rheostat controls hematopoietic stem cell fate. *Cell stem cell*, 31(3), 378.

Velázquez-Flores MÁ, et al. (2024) Streptozotocin-Induced Diabetic Rats Showed a Differential Glycine Receptor Expression in the Spinal Cord: A GlyR Role in Diabetic Neuropathy. *Neurochemical research*, 49(3), 684.

Skardžiūtė K, et al. (2024) One-pot trimodal mapping of unmethylated, hydroxymethylated, and open chromatin sites unveils distinctive 5hmC roles at dynamic chromatin loci. *Cell chemical biology*, 31(3), 607.

Han X, et al. (2024) Cancer-associated fibroblasts maintain critical pancreatic cancer cell lipid homeostasis in the tumor microenvironment. *Cell reports*, 43(11), 114972.

Pereira M, et al. (2024) Arachidonic acid inhibition of the NLRP3 inflammasome is a mechanism to explain the anti-inflammatory effects of fasting. *Cell reports*, 43(2), 113700.

Sato S, et al. (2023) The circadian clock CRY1 regulates pluripotent stem cell identity and somatic cell reprogramming. *Cell reports*, 42(6), 112590.

Pyun J, et al. (2023) Cu(ATSM) Increases P-Glycoprotein Expression and Function at the Blood-Brain Barrier in C57BL6/J Mice. *Pharmaceutics*, 15(8).

Gallo R, et al. (2023) DYRK3 enables secretory trafficking by maintaining the liquid-like state of ER exit sites. *Developmental cell*, 58(19), 1880.

Pyun J, et al. (2022) Copper bis(thiosemicarbazone) complexes modulate P-glycoprotein expression and function in human brain microvascular endothelial cells. *Journal of neurochemistry*, 162(3), 226.

McLean JW, et al. (2022) Disruption of Endosomal Sorting in Schwann Cells Leads to Defective Myelination and Endosomal Abnormalities Observed in Charcot-Marie-Tooth Disease. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 42(25), 5085.

Boukouris AE, et al. (2022) A reversible metabolic stress-sensitive regulation of CRMP2A orchestrates EMT/stemness and increases metastatic potential in cancer. *Cell reports*, 38(11), 110511.

Zhang Y, et al. (2021) Ginkgolide B inhibits NLRP3 inflammasome activation and promotes microglial M2 polarization in A $\beta$ 1-42-induced microglia cells. *Neuroscience letters*, 764, 136206.

Hwang H, et al. (2021) Cyclin Y, a novel actin-binding protein, regulates spine plasticity through the cofilin-actin pathway. *Progress in neurobiology*, 198, 101915.

Ordóñez A, et al. (2021) Cargo receptor-assisted endoplasmic reticulum export of pathogenic  $\alpha$ 1-antitrypsin polymers. *Cell reports*, 35(7), 109144.