

Resource Summary Report

Generated by [NIF](#) on Sep 9, 2026

Actin

RRID:AB_2289199

Type: Antibody

Proper Citation

BD Biosciences Cat# 612656, RRID:AB_2289199

Antibody Information

URL: http://antibodyregistry.org/AB_2289199

Proper Citation: BD Biosciences Cat# 612656, RRID:AB_2289199

Target Antigen: ACTA1

Host Organism: mouse

Clonality: monoclonal

Comments: Immunofluorescence, Immunohistochemistry-formalin (antigen retrieval required), Western blot

Antibody Name: Actin

Description: This monoclonal targets ACTA1

Target Organism: human

Clone ID: C4

Antibody ID: AB_2289199

Vendor: BD Biosciences

Catalog Number: 612656

Record Creation Time: 20231110T045253+0000

Record Last Update: 20260829T190712+0000

Ratings and Alerts

No rating or validation information has been found for Actin.

No alerts have been found for Actin.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 25 mentions in open access literature.

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

Boutet M, et al. (2025) Mutations in MLL3 promote breast cancer progression via HIF1 α -dependent intratumoral recruitment and differentiation of regulatory T cells. *Immunity*, 58(8), 2035.

Huang X, et al. (2025) CDK4/6 Inhibition Reverses MEIS2 Suppression of CRL4 CRBN to Enhance Immunomodulatory Drug Therapy in Multiple Myeloma. *bioRxiv : the preprint server for biology*.

Lim YX, et al. (2025) Splicing of HPV16 E6 promotes aggressive invasion in oropharyngeal cancer via endocytosis of E-cadherin. *bioRxiv : the preprint server for biology*.

Scott TM, et al. (2025) Cell-free assays reveal that the HIV-1 capsid protects reverse transcripts from cGAS immune sensing. *PLoS pathogens*, 21(1), e1012206.

Liepinsh E, et al. (2024) Hydroxymethylglutaryl-CoA reductase activity is essential for mitochondrial β -oxidation of fatty acids to prevent lethal accumulation of long-chain acylcarnitines in the mouse liver. *British journal of pharmacology*, 181(16), 2750.

Muñoz-Galdeano T, et al. (2024) Identification of a New Role of miR-199a-5p as Factor Implied in Neuronal Damage: Decreasing the Expression of Its Target X-Linked Anti-Apoptotic Protein (XIAP) After SCI. *International journal of molecular sciences*, 25(22).

Chakraborty P, et al. (2023) Regulation of store-operated Ca²⁺ entry by IP3 receptors independent of their ability to release Ca²⁺. *eLife*, 12.

Liu Y, et al. (2023) A SOX9-B7x axis safeguards dedifferentiated tumor cells from immune surveillance to drive breast cancer progression. *Developmental cell*, 58(23), 2700.

Zhang X, et al. (2022) Robust genome editing in adult vascular endothelium by nanoparticle delivery of CRISPR-Cas9 plasmid DNA. *Cell reports*, 38(1), 110196.

Lu WC, et al. (2022) AKT1 mediates multiple phosphorylation events that functionally promote HSF1 activation. *The FEBS journal*, 289(13), 3876.

Abdullah MO, et al. (2022) Mitochondrial hyperfusion via metabolic sensing of regulatory amino acids. *Cell reports*, 40(7), 111198.

Menon MP, et al. (2022) Nano Modification of Antrodia Cinnamomea Exhibits Anti-Inflammatory Action and Improves the Migratory Potential of Myogenic Progenitors. *Cells*, 11(16).

Hinke DM, et al. (2022) Antigen bivalency of antigen-presenting cell-targeted vaccines increases B cell responses. *Cell reports*, 39(9), 110901.

Spurlock B, et al. (2021) Fine-tuned repression of Drp1-driven mitochondrial fission primes a 'stem/progenitor-like state' to support neoplastic transformation. *eLife*, 10.

Sulsenti R, et al. (2021) Repurposing of the Antiepileptic Drug Levetiracetam to Restrain Neuroendocrine Prostate Cancer and Inhibit Mast Cell Support to Adenocarcinoma. *Frontiers in immunology*, 12, 622001.

Nüchel J, et al. (2021) An mTORC1-GRASP55 signaling axis controls unconventional secretion to reshape the extracellular proteome upon stress. *Molecular cell*, 81(16), 3275.

Esteban PF, et al. (2020) Revisiting CB1 cannabinoid receptor detection and the exploration of its interacting partners. *Journal of neuroscience methods*, 337, 108680.

Kaya B, et al. (2020) Lysophosphatidic Acid-Mediated GPR35 Signaling in CX3CR1+ Macrophages Regulates Intestinal Homeostasis. *Cell reports*, 32(5), 107979.

Hegde GV, et al. (2019) NRG1 is a critical regulator of differentiation in TP63-driven squamous cell carcinoma. *eLife*, 8.

Carim SC, et al. (2019) IPIP27 Coordinates PtdIns(4,5)P2 Homeostasis for Successful Cytokinesis. *Current biology : CB*, 29(5), 775.