

Resource Summary Report

Generated by [RRID](#) on Sep 11, 2026

Mouse Anti-Rac1 Monoclonal Antibody, Unconjugated, Clone 102

RRID:AB_397977

Type: Antibody

Proper Citation

BD Biosciences Cat# 610650, RRID:AB_397977

Antibody Information

URL: http://antibodyregistry.org/AB_397977

Proper Citation: BD Biosciences Cat# 610650, RRID:AB_397977

Target Antigen: Rac1

Host Organism: mouse

Clonality: monoclonal

Comments: Bioimaging, Immunofluorescence, Western blot

Antibody Name: Mouse Anti-Rac1 Monoclonal Antibody, Unconjugated, Clone 102

Description: This monoclonal targets Rac1

Target Organism: chicken, chickenavian, rat, canine, mouse, dog, human

Antibody ID: AB_397977

Vendor: BD Biosciences

Catalog Number: 610650

Record Creation Time: 20231110T044613+0000

Record Last Update: 20260831T232535+0000

Ratings and Alerts

No rating or validation information has been found for Mouse Anti-Rac1 Monoclonal Antibody, Unconjugated, Clone 102.

No alerts have been found for Mouse Anti-Rac1 Monoclonal Antibody, Unconjugated, Clone 102.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

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.

Tamilkumar VN, et al. (2025) Epithelial fusion is mediated by a partial epithelial-mesenchymal transition. *Biology open*, 14(9).

Oevel K, et al. (2024) Rho GTPase signaling and mDia facilitate endocytosis via presynaptic actin. *eLife*, 12.

Yang Q, et al. (2023) Spontaneous recovery of reward memory through active forgetting of extinction memory. *Current biology : CB*, 33(5), 838.

Luo J, et al. (2022) TFPI is a colonic crypt receptor for TcdB from hypervirulent clade 2 *C. difficile*. *Cell*, 185(6), 980.

Kann AP, et al. (2022) An injury-responsive Rac-to-Rho GTPase switch drives activation of muscle stem cells through rapid cytoskeletal remodeling. *Cell stem cell*, 29(6), 933.

Tzou FY, et al. (2021) Dihydroceramide desaturase regulates the compartmentalization of Rac1 for neuronal oxidative stress. *Cell reports*, 35(2), 108972.

Payapilly A, et al. (2021) TIAM1-RAC1 promote small-cell lung cancer cell survival through antagonizing Nur77-induced BCL2 conformational change. *Cell reports*, 37(6), 109979.

Bu F, et al. (2021) Activation of neuronal Ras-related C3 botulinum toxin substrate 1 (Rac1) improves post-stroke recovery and axonal plasticity in mice. *Journal of neurochemistry*, 157(4), 1366.

Waters AM, et al. (2021) Targeting p130Cas- and microtubule-dependent MYC regulation sensitizes pancreatic cancer to ERK MAPK inhibition. *Cell reports*, 35(13), 109291.

O'Neil SD, et al. (2021) Action potential-coupled Rho GTPase signaling drives presynaptic plasticity. *eLife*, 10.

Hino N, et al. (2020) ERK-Mediated Mechanochemical Waves Direct Collective Cell Polarization. *Developmental cell*, 53(6), 646.

Lin C, et al. (2019) Fever Promotes T Lymphocyte Trafficking via a Thermal Sensory Pathway Involving Heat Shock Protein 90 and $\alpha 4$ Integrins. *Immunity*, 50(1), 137.

Ito H, et al. (2019) Rho family GTPases, Rac and Cdc42, control the localization of neonatal dentate granule cells during brain development. *Hippocampus*, 29(7), 569.

Liu Y, et al. (2018) Social Isolation Induces Rac1-Dependent Forgetting of Social Memory. *Cell reports*, 25(2), 288.

Sumigra K, et al. (2018) Morphogenesis and Compartmentalization of the Intestinal Crypt. *Developmental cell*, 45(2), 183.

Jeannot P, et al. (2017) p27Kip1 promotes invadopodia turnover and invasion through the regulation of the PAK1/Cortactin pathway. *eLife*, 6.

Cervantes-Sandoval I, et al. (2016) Scribble Scaffolds a Signalingosome for Active Forgetting. *Neuron*, 90(6), 1230.