Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 29, 2025

Phospho-Myosin Light Chain 2 (Ser19) Mouse mAb

RRID:AB_2250969
Type: Antibody

Proper Citation

(Cell Signaling Technology Cat# 3675, RRID:AB_2250969)

Antibody Information

URL: http://antibodyregistry.org/AB_2250969

Proper Citation: (Cell Signaling Technology Cat# 3675, RRID:AB_2250969)

Target Antigen: MYL2

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: W, IF-IC. Consolidation on 11/2018: AB_10078216, AB_10080262, AB_2147461, AB_2250969.

Antibody Name: Phospho-Myosin Light Chain 2 (Ser19) Mouse mAb

Description: This monoclonal targets MYL2

Target Organism: rat, mouse, human

Antibody ID: AB_2250969

Vendor: Cell Signaling Technology

Catalog Number: 3675

Record Creation Time: 20241017T003555+0000

Record Last Update: 20241017T022537+0000

Ratings and Alerts

No rating or validation information has been found for Phospho-Myosin Light Chain 2 (Ser19) Mouse mAb.

No alerts have been found for Phospho-Myosin Light Chain 2 (Ser19) Mouse mAb.

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 FDI Lab - SciCrunch.org.

Nanes BA, et al. (2024) Shifts in keratin isoform expression activate motility signals during wound healing. Developmental cell, 59(20), 2759.

Lin Y, et al. (2024) Ras suppression potentiates rear actomyosin contractility-driven cell polarization and migration. Nature cell biology, 26(7), 1062.

Trsan T, et al. (2024) The centrosomal protein FGFR1OP controls myosin function in murine intestinal epithelial cells. Developmental cell, 59(18), 2460.

Mim MS, et al. (2024) Piezo regulates epithelial topology and promotes precision in organ size control. Cell reports, 43(7), 114398.

Rachedi NS, et al. (2024) Dietary intake and glutamine-serine metabolism control pathologic vascular stiffness. Cell metabolism, 36(6), 1335.

Lai YH, et al. (2023) Allyl isothiocyanate mitigates airway inflammation and constriction in a house dust mite-induced allergic asthma model via upregulation of tight junction proteins and the TRPA1 modulation. Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie, 166, 115334.

Newman D, et al. (2023) 3D matrix adhesion feedback controls nuclear force coupling to drive invasive cell migration. Cell reports, 42(12), 113554.

Chang Y, et al. (2022) Substrate rigidity dictates colorectal tumorigenic cell stemness and metastasis via CRAD-dependent mechanotransduction. Cell reports, 38(7), 110390.

Ganguly K, et al. (2022) Mucin 5AC-Mediated CD44/ITGB1 Clustering Mobilizes Adipose-Derived Mesenchymal Stem Cells to Modulate Pancreatic Cancer Stromal Heterogeneity. Gastroenterology, 162(7), 2032.

Posor Y, et al. (2022) Local synthesis of the phosphatidylinositol-3,4-bisphosphate lipid drives focal adhesion turnover. Developmental cell, 57(14), 1694.

Saal KA, et al. (2021) Rho-kinase inhibition by fasudil modulates pre-synaptic vesicle dynamics. Journal of neurochemistry, 157(4), 1052.

Pattabiraman G, et al. (2021) Mast cell function in prostate inflammation, fibrosis, and smooth muscle cell dysfunction. American journal of physiology. Renal physiology, 321(4), F466.

Zhang Z, et al. (2021) HO-1/CO Maintains Intestinal Barrier Integrity through NF-?B/MLCK Pathway in Intestinal HO-1-/- Mice. Oxidative medicine and cellular longevity, 2021, 6620873.

Audzeyenka I, et al. (2021) The PKGI?-Rac1 pathway is a novel regulator of insulin-dependent glucose uptake in cultured rat podocytes. Journal of cellular physiology, 236(6), 4655.

Teo JL, et al. (2020) Caveolae Control Contractile Tension for Epithelia to Eliminate Tumor Cells. Developmental cell, 54(1), 75.

Serres MP, et al. (2020) F-Actin Interactome Reveals Vimentin as a Key Regulator of Actin Organization and Cell Mechanics in Mitosis. Developmental cell, 52(2), 210.

Aguilar-Cuenca R, et al. (2020) Tyrosine Phosphorylation of the Myosin Regulatory Light Chain Controls Non-muscle Myosin II Assembly and Function in Migrating Cells. Current biology : CB, 30(13), 2446.

Belardi B, et al. (2020) A Weak Link with Actin Organizes Tight Junctions to Control Epithelial Permeability. Developmental cell, 54(6), 792.

Haas AJ, et al. (2020) Interplay between Extracellular Matrix Stiffness and JAM-A Regulates Mechanical Load on ZO-1 and Tight Junction Assembly. Cell reports, 32(3), 107924.

Rahikainen R, et al. (2019) Talin-mediated force transmission and talin rod domain unfolding independently regulate adhesion signaling. Journal of cell science, 132(7).