

Resource Summary Report

Generated by [ASWG](#) on Aug 9, 2026

Phospho-Cofilin (Ser3) (77G2) Rabbit mAb

RRID:AB_2080597

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 3313, RRID:AB_2080597

Antibody Information

URL: http://antibodyregistry.org/AB_2080597

Proper Citation: Cell Signaling Technology Cat# 3313, RRID:AB_2080597

Target Antigen: Cfl1

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IF-IC. Consolidation on 11/2018: AB_10140374, AB_10140711, AB_10140916, AB_2080597, AB_2244926. Info: Used By NYUIHC-700. Info: Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:TRUE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE

Antibody Name: Phospho-Cofilin (Ser3) (77G2) Rabbit mAb

Description: This monoclonal targets Cfl1

Target Organism: rat, mouse, human

Antibody ID: AB_2080597

Vendor: Cell Signaling Technology

Catalog Number: 3313

Record Creation Time: 20250820T044800+0000

Record Last Update: 20250820T195801+0000

Ratings and Alerts

- Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:TRUE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE - NYU Langone's Center for Biospecimen Research and Development <https://med.nyu.edu/research/scientific-cores-shared-resources/center-biospecimen-research-development>

No alerts have been found for Phospho-Cofilin (Ser3) (77G2) Rabbit mAb.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 52 mentions in open access literature.

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

Sri Theivakadadcham VS, et al. (2026) MRCK? Is a Suppressor of GEF-H1/RhoA/MRTF Signaling in Tubular Cells. Cells, 15(5).

Wang H, et al. (2026) Targeting the macrophage mechanosensing regulator CKAP4 accelerates the inflammatory-to-proliferative transition in wound healing. Cell reports, 45(6), 117395.

Ezquerro-Herce S, et al. (2026) Cannabinoid CB1 receptors drive oligodendrocyte maturation during myelin regeneration. Cell communication and signaling : CCS, 24(1).

Li Z, et al. (2026) A Wireless 3D Magneto-Mechanical Stimulation Platform Drives In Situ Chondrogenic Commitment of Endogenous MSCs. Advanced science (Weinheim, Baden-Wurttemberg, Germany), e75958.

Lee BC, et al. (2026) Administration of Pdgk1 missense mutation leads to more effective mitigation of neurodegenerative effects observed in ALS mice and transgenic zebrafish. Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie, 201, 119674.

Liu J, et al. (2025) 5-HT6R-ATR-primary cilia network supports morphine-related memory extinction in the medial prefrontal cortex. iScience, 28(9), 113208.

Cui Y, et al. (2025) MET receptor tyrosine kinase promotes the generation of functional synapses in adult cortical circuits. Neural regeneration research, 20(5), 1431.

Tidball AM, et al. (2025) Lysophosphatidic acid and sphingosine-1-phosphate are apical polarity cues in multiple organoid systems. Cell reports, 44(6), 115842.

Kopietz F, et al. (2025) Focal Adhesion Kinase Orchestrates GLUT4 Translocation and Glucose Uptake via Cytoskeletal Turnover in Primary Adipocytes. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 39(10),

e70660.

Lin CY, et al. (2025) A 16-amino acid peptide delays the progression of motor neuron degeneration and pathogenic symptoms in ALS models. *Neurotherapeutics : the journal of the American Society for Experimental NeuroTherapeutics*, e00806.

Lagani GD, et al. (2024) Beyond Glycolysis: Aldolase A Is a Novel Effector in Reelin-Mediated Dendritic Development. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 44(42).

Gupta R, et al. (2024) Atypical cellular responses mediated by intracellular constitutive active TrkB (NTRK2) kinase domains and a solely intracellular NTRK2-fusion oncogene. *Cancer gene therapy*, 31(9), 1357.

Riemersma IW, et al. (2024) Suppression of Cofilin function in the somatosensory cortex alters social contact behavior in the BTBR mouse inbred line. *Cerebral cortex (New York, N.Y. : 1991)*, 34(4).

Lagani GD, et al. (2024) Beyond Glycolysis: Aldolase A is a Novel Effector in Reelin Mediated Dendritic Development. *bioRxiv : the preprint server for biology*.

Narayanan R, et al. (2024) miRNA-mediated inhibition of an actomyosin network in hippocampal pyramidal neurons restricts sociability in adult male mice. *Cell reports*, 43(7), 114429.

Lee BC, et al. (2024) The 419th Aspartic Acid of Neural Membrane Protein Enolase 2 Is a Key Residue Involved in the Axonal Growth of Motor Neurons Mediated by Interaction between Enolase 2 Receptor and Extracellular Pgk1 Ligand. *International journal of molecular sciences*, 25(19).

Fu CY, et al. (2023) Extracellular Pgk1 interacts neural membrane protein enolase-2 to improve the neurite outgrowth of motor neurons. *Communications biology*, 6(1), 849.

Shoji KF, et al. (2023) The mechanosensitive TRPV2 calcium channel promotes human melanoma invasiveness and metastatic potential. *EMBO reports*, 24(4), e55069.

Mao Y, et al. (2023) ZXDC enhances cervical cancer metastasis through IGF2BP3-mediated activation of RhoA/ROCK signaling. *iScience*, 26(8), 107447.

Glotfelty EJ, et al. (2023) The RhoA-ROCK1/ROCK2 Pathway Exacerbates Inflammatory Signaling in Immortalized and Primary Microglia. *Cells*, 12(10).