

Resource Summary Report

Generated by [NIF](#) on Jul 28, 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 Langone 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 47 mentions in open access literature.

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

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.

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.

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

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 Pdgfr Ligand. *International journal of molecular sciences*, 25(19).

Fu CY, et al. (2023) Extracellular Pdgfr 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.

Quadri R, et al. (2023) A Haspin-ARHGAP11A axis regulates epithelial morphogenesis through Rho-ROCK dependent modulation of LIMK1-Cofilin. *iScience*, 26(10), 108011.

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

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

Song JM, et al. (2023) Deneddylating enzyme SENP8 regulates neuronal development. *Journal of neurochemistry*, 165(3), 348.

Raven F, et al. (2023) Cofilin overactivation improves hippocampus-dependent short-term memory. *Frontiers in behavioral neuroscience*, 17, 1243524.

Marroncini G, et al. (2022) The V2 receptor antagonist tolaptan counteracts proliferation and invasivity in human cancer cells. *Journal of endocrinological investigation*, 45(9), 1693.

Wennagel D, et al. (2022) Huntingtin coordinates dendritic spine morphology and function through cofilin-mediated control of the actin cytoskeleton. *Cell reports*, 40(9), 111261.