

Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Mar 31, 2025

?-Actin (13E5) Rabbit mAb

RRID:AB_2223172

Type: Antibody

Proper Citation

(Cell Signaling Technology Cat# 4970, RRID:AB_2223172)

Antibody Information

URL: http://antibodyregistry.org/AB_2223172

Proper Citation: (Cell Signaling Technology Cat# 4970, RRID:AB_2223172)

Target Antigen: beta-Actin

Host Organism: rabbit

Clonality: recombinant monoclonal

Comments: Applications: WB, W-S, IHC-P, IF-F, IF-IC, FC-FP
Consolidation on 9/2016: AB_2223169, AB_10694069, AB_10827900.

Antibody Name: ?-Actin (13E5) Rabbit mAb

Description: This recombinant monoclonal targets beta-Actin

Target Organism: monkey, rat, pig, mouse, bovine, human

Clone ID: Clone 13E5

Antibody ID: AB_2223172

Vendor: Cell Signaling Technology

Catalog Number: 4970

Alternative Catalog Numbers: 4970S, 4970P, 4970L

Record Creation Time: 20231110T074608+0000

Record Last Update: 20241115T013203+0000

Ratings and Alerts

No rating or validation information has been found for β -Actin (13E5) Rabbit mAb.

No alerts have been found for β -Actin (13E5) Rabbit mAb.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 542 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Luo W, et al. (2025) Perfluoropentane-based oxygen-loaded nanodroplets reduce microglial activation through metabolic reprogramming. *Neural regeneration research*, 20(4), 1178.

Tang X, et al. (2025) Hypoxia-preconditioned bone marrow-derived mesenchymal stem cells protect neurons from cardiac arrest-induced pyroptosis. *Neural regeneration research*, 20(4), 1103.

Liu X, et al. (2025) Epac2-mediated synaptic insertion of Ca²⁺-permeable AMPARs in the nucleus accumbens contributes to incubation of cocaine craving. *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology*, 50(4), 620.

Zhang J, et al. (2024) Deficiency of UCHL1 results in insufficient decidualization accompanied by impaired dNK modulation and eventually miscarriage. *Journal of translational medicine*, 22(1), 478.

Wu Y, et al. (2024) Alleviation of monocyte exhaustion by BCG derivative mycolic acid. *iScience*, 27(2), 108978.

Carlantoni C, et al. (2024) The phosphodiesterase 2A controls lymphatic junctional maturation via cGMP-dependent notch signaling. *Developmental cell*, 59(3), 308.

Prutsch N, et al. (2024) STAT3 couples activated tyrosine kinase signaling to the oncogenic core transcriptional regulatory circuitry of anaplastic large cell lymphoma. *Cell reports. Medicine*, 5(3), 101472.

Xia L, et al. (2024) Osimertinib Covalently Binds to CD34 and Eliminates Myeloid Leukemia Stem/Progenitor Cells. *Cancer research*, 84(3), 479.

Tam TH, et al. (2024) Pain hypersensitivity is dependent on autophagy protein Beclin 1 in males but not females. *Cell reports*, 43(6), 114293.

Shi Z, et al. (2024) The Notch-PDGFR β axis suppresses brown adipocyte progenitor differentiation in early post-natal mice. *Developmental cell*, 59(10), 1233.

Visamol S, et al. (2024) EZH2 as a major histone methyltransferase in PDGF-BB-activated orbital fibroblast in the pathogenesis of Graves' ophthalmopathy. *Scientific reports*, 14(1), 7947.

Zhao M, et al. (2024) Gut bacteria-driven homovanillic acid alleviates depression by modulating synaptic integrity. *Cell metabolism*, 36(5), 1000.

Kling L, et al. (2024) β 2-integrins control HIF1 α activation in human neutrophils. *Frontiers in immunology*, 15, 1406967.

Rink JS, et al. (2024) Encapsulation and Delivery of the Kinase Inhibitor PIK-75 by Organic Core High-Density Lipoprotein-Like Nanoparticles Targeting Scavenger Receptor Class B Type 1. *ACS applied materials & interfaces*.

Tiedemann RL, et al. (2024) UHRF1 ubiquitin ligase activity supports the maintenance of low-density CpG methylation. *Nucleic acids research*, 52(22), 13733.

Peng X, et al. (2024) HMOX1-LDHB interaction promotes ferroptosis by inducing mitochondrial dysfunction in foamy macrophages during advanced atherosclerosis. *Developmental cell*.

Iibushi J, et al. (2024) ATG9B regulates bacterial internalization via actin rearrangement. *iScience*, 27(5), 109623.

Dheeraj A, et al. (2024) Inhibition of protein translational machinery in triple-negative breast cancer as a promising therapeutic strategy. *Cell reports. Medicine*, 5(5), 101552.

Ren Z, et al. (2024) Increased intestinal bile acid absorption contributes to age-related cognitive impairment. *Cell reports. Medicine*, 5(5), 101543.

Thomas JR, et al. (2024) Abcg2a is the functional homolog of human ABCG2 expressed at the zebrafish blood-brain barrier. *Fluids and barriers of the CNS*, 21(1), 27.