

Resource Summary Report

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Pan-Actin Antibody

RRID:AB_2313904

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 4968, RRID:AB_2313904

Antibody Information

URL: http://antibodyregistry.org/AB_2313904

Proper Citation: Cell Signaling Technology Cat# 4968, RRID:AB_2313904

Target Antigen: Pan-Actin

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: W, IHC-P. Consolidation on 11/2018: AB_10695740, AB_2313904, AB_330289.

Antibody Name: Pan-Actin Antibody

Description: This polyclonal targets Pan-Actin

Target Organism: b, drosophilaarthropod, rat, porcine, h, dm, m, mouse, r, pg, x, bovine, z, human, mk

Antibody ID: AB_2313904

Vendor: Cell Signaling Technology

Catalog Number: 4968

Record Creation Time: 20250820T004032+0000

Record Last Update: 20250820T085358+0000

Ratings and Alerts

No rating or validation information has been found for Pan-Actin Antibody.

No alerts have been found for Pan-Actin Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Uible EE, et al. (2026) Scaffolding-dependent CASP1 constrains excessive cell-intrinsic inflammatory signaling in leukemia. *Cell chemical biology*, 33(1), 59.

Brandebura AN, et al. (2025) Dysregulation of astrocyte-secreted pleiotrophin contributes to neuronal structural and functional deficits in Down syndrome. *Cell reports*, 44(10), 116300.

Mirzapioazova T, et al. (2024) Teriflunomide/leflunomide synergize with chemotherapeutics by decreasing mitochondrial fragmentation via DRP1 in SCLC. *iScience*, 27(6), 110132.

Song H, et al. (2024) Burdock miR8175 in diet improves insulin resistance induced by obesity in mice through food absorption. *iScience*, 27(5), 109705.

Gratuze M, et al. (2023) TREM2-independent microgliosis promotes tau-mediated neurodegeneration in the presence of ApoE4. *Neuron*, 111(2), 202.

Song S, et al. (2023) E2 enzyme Bruce negatively regulates Hippo signaling through POSH-mediated expanded degradation. *Cell death & disease*, 14(9), 602.

Martins LF, et al. (2022) Motor neurons use push-pull signals to direct vascular remodeling critical for their connectivity. *Neuron*, 110(24), 4090.

Hillege MMG, et al. (2022) Lack of Tgfr1 and Acvr1b synergistically stimulates myofibre hypertrophy and accelerates muscle regeneration. *eLife*, 11.

Furuuchi R, et al. (2022) Endothelial SIRT-1 has a critical role in the maintenance of capillarization in brown adipose tissue. *iScience*, 25(11), 105424.

Neopane K, et al. (2022) Blocking AMPK γ 1 myristoylation enhances AMPK activity and protects mice from high-fat diet-induced obesity and hepatic steatosis. *Cell reports*, 41(12), 111862.

Morton JJ, et al. (2021) Studying Immunotherapy Resistance in a Melanoma Autologous Humanized Mouse Xenograft. *Molecular cancer research : MCR*, 19(2), 346.

Chlon TM, et al. (2021) Germline DDX41 mutations cause ineffective hematopoiesis and myelodysplasia. *Cell stem cell*, 28(11), 1966.

Chan SMH, et al. (2021) Apocynin prevents cigarette smoking-induced loss of skeletal muscle mass and function in mice by preserving proteostatic signalling. *British journal of pharmacology*, 178(15), 3049.

Skruber K, et al. (2020) Arp2/3 and Mena/VASP Require Profilin 1 for Actin Network Assembly at the Leading Edge. *Current biology : CB*, 30(14), 2651.

Hansen KB, et al. (2020) PTPRG is an ischemia risk locus essential for HCO₃--dependent regulation of endothelial function and tissue perfusion. *eLife*, 9.

Beck L, et al. (2020) Pirfenidone Is a Vasodilator: Involvement of KV7 Channels in the Effect on Endothelium-Dependent Vasodilatation in Type-2 Diabetic Mice. *Frontiers in pharmacology*, 11, 619152.

Andres-Hernando A, et al. (2020) Deletion of Fructokinase in the Liver or in the Intestine Reveals Differential Effects on Sugar-Induced Metabolic Dysfunction. *Cell metabolism*, 32(1), 117.

Xie J, et al. (2020) TBC1D5-Catalyzed Cycling of Rab7 Is Required for Retromer-Mediated Human Papillomavirus Trafficking during Virus Entry. *Cell reports*, 31(10), 107750.

Ulland TK, et al. (2017) TREM2 Maintains Microglial Metabolic Fitness in Alzheimer's Disease. *Cell*, 170(4), 649.