

Resource Summary Report

Generated by [RRID](#) on Aug 1, 2026

[actin](#)

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

Clonality: unknown

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

Antibody Name: actin

Description: This unknown targets

Defining Citation: [PMID:21280040](#)

Antibody ID: AB_2313904

Vendor: Cell Signaling Technology

Catalog Number: 4968

Record Creation Time: 20250820T022301+0000

Record Last Update: 20250820T132634+0000

Ratings and Alerts

No rating or validation information has been found for actin.

No alerts have been found for actin.

Data and Source Information

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.

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

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

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.

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

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

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.