

Resource Summary Report

Generated by [RRID](#) on Jul 28, 2026

Monoclonal Anti-alpha-Actinin (Sarcomeric) antibody produced in mouse

RRID:AB_2221571

Type: Antibody

Proper Citation

Sigma-Aldrich Cat# A7732, RRID:AB_2221571

Antibody Information

URL: http://antibodyregistry.org/AB_2221571

Proper Citation: Sigma-Aldrich Cat# A7732, RRID:AB_2221571

Target Antigen: ACTN3

Host Organism: mouse

Clonality: monoclonal

Comments: Useful for

Antibody Name: Monoclonal Anti-alpha-Actinin (Sarcomeric) antibody produced in mouse

Description: This monoclonal targets ACTN3

Target Organism: rat, mouse, rabbit, dog, human

Antibody ID: AB_2221571

Vendor: Sigma-Aldrich

Catalog Number: A7732

Record Creation Time: 20250820T034423+0000

Record Last Update: 20250820T170323+0000

Ratings and Alerts

No rating or validation information has been found for Monoclonal Anti-alpha-Actinin (Sarcomeric) antibody produced in mouse.

No alerts have been found for Monoclonal Anti-alpha-Actinin (Sarcomeric) antibody produced in mouse.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Doran MH, et al. (2025) The hypertrophic cardiomyopathy-associated A331P actin variant enhances basal contractile activity and elicits resting muscle dysfunction. *iScience*, 28(2), 111816.

Fujiwara K, et al. (2024) Spatial organizations of heterochromatin underpin nuclear structural integrity of ventricular cardiomyocytes against mechanical stress. *Cell reports*, 43(12), 115048.

Karsenty C, et al. (2023) Ephrin-B1 regulates the adult diastolic function through a late postnatal maturation of cardiomyocyte surface crests. *eLife*, 12.

R??debusch J, et al. (2022) Stimulation of soluble guanylyl cyclase (sGC) by riociguat attenuates heart failure and pathological cardiac remodelling. *British journal of pharmacology*, 179(11), 2430.

Tokuyama T, et al. (2022) Protective roles of MITOL against myocardial senescence and ischemic injury partly via Drp1 regulation. *iScience*, 25(7), 104582.

Valencia FR, et al. (2021) Force-dependent activation of actin elongation factor mDia1 protects the cytoskeleton from mechanical damage and promotes stress fiber repair. *Developmental cell*, 56(23), 3288.

Feige P, et al. (2021) Analysis of human satellite cell dynamics on cultured adult skeletal muscle myofibers. *Skeletal muscle*, 11(1), 1.

Li TN, et al. (2020) A positive feedback loop between Flower and PI(4,5)P2 at periaxial zones controls bulk endocytosis in *Drosophila*. *eLife*, 9.

Stefanovic S, et al. (2020) Hox-dependent coordination of mouse cardiac progenitor cell patterning and differentiation. *eLife*, 9.

Jackson-Weaver O, et al. (2020) PRMT1-p53 Pathway Controls Epicardial EMT and Invasion. *Cell reports*, 31(10), 107739.

Zhou X, et al. (2020) Interleukin 35 ameliorates myocardial ischemia-reperfusion injury by activating the gp130-STAT3 axis. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 34(2), 3224.

Kang Y, et al. (2018) Improving Cell Survival in Injected Embryos Allows Primed Pluripotent Stem Cells to Generate Chimeric Cynomolgus Monkeys. *Cell reports*, 25(9), 2563.

Ermon B, et al. (2018) Derivation of human induced pluripotent stem cell line EURACi004-A from skin fibroblasts of a patient with Arrhythmogenic Cardiomyopathy carrying the heterozygous PKP2 mutation c.2569_3018del50. *Stem cell research*, 32, 78.

Meraviglia V, et al. (2018) Generation of human induced pluripotent stem cells (EURACi001-A, EURACi002-A, EURACi003-A) from peripheral blood mononuclear cells of three patients carrying mutations in the CAV3 gene. *Stem cell research*, 27, 25.

Lee SG, et al. (2018) A naked mole rat iPSC line expressing drug-inducible mouse pluripotency factors developed from embryonic fibroblasts. *Stem cell research*, 31, 197.

Petkovich DA, et al. (2017) Using DNA Methylation Profiling to Evaluate Biological Age and Longevity Interventions. *Cell metabolism*, 25(4), 954.

Drawnel FM, et al. (2017) Molecular Phenotyping Combines Molecular Information, Biological Relevance, and Patient Data to Improve Productivity of Early Drug Discovery. *Cell chemical biology*, 24(5), 624.

O'Grady GL, et al. (2016) Variants in the Oxidoreductase PYROXD1 Cause Early-Onset Myopathy with Internalized Nuclei and Myofibrillar Disorganization. *American journal of human genetics*, 99(5), 1086.