

Resource Summary Report

Generated by [RRID](#) on Sep 11, 2026

Monoclonal Anti-alpha-Actinin antibody produced in mouse

RRID:AB_476737

Type: Antibody

Proper Citation

Sigma-Aldrich Cat# A5044, RRID:AB_476737

Antibody Information

URL: http://antibodyregistry.org/AB_476737

Proper Citation: Sigma-Aldrich Cat# A5044, RRID:AB_476737

Target Antigen: alpha-Actinin antibody produced in mouse

Host Organism: mouse

Clonality: monoclonal

Comments: Vendor recommendations: IgM; IgM indirect immunofluorescence: 1:200 using cultured chicken fibroblasts, immunoblotting: suitable, microarray: suitable; Immunofluorescence; Other; Western Blot

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

Description: This monoclonal targets alpha-Actinin antibody produced in mouse

Target Organism: chicken, mouse, bovine, human

Defining Citation: [PMID:20878786](#)

Antibody ID: AB_476737

Vendor: Sigma-Aldrich

Catalog Number: A5044

Record Creation Time: 20231110T080858+0000

Record Last Update: 20260831T182129+0000

Ratings and Alerts

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

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

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Kunti?? I, et al. (2026) Pharmacological treatment with a GABA(A) receptor modulator and a selective serotonin reuptake inhibitor as a mitigation strategy against aircraft noise-induced cardiovascular and neuronal damage. *British journal of pharmacology*, 183(13), 3762.

Reyes-Ortiz AM, et al. (2023) Single-nuclei transcriptome analysis of Huntington disease iPSC and mouse astrocytes implicates maturation and functional deficits. *iScience*, 26(1), 105732.

Donker L, et al. (2022) A mechanical G2 checkpoint controls epithelial cell division through E-cadherin-mediated regulation of Wee1-Cdk1. *Cell reports*, 41(2), 111475.

Liang F, et al. (2021) SORBS2 is a genetic factor contributing to cardiac malformation of 4q deletion syndrome patients. *eLife*, 10.

Lee S, et al. (2020) Cofilin is required for polarization of tension in stress fiber networks during migration. *Journal of cell science*, 133(13).

Juanes MA, et al. (2020) EB1 Directly Regulates APC-Mediated Actin Nucleation. *Current biology : CB*, 30(23), 4763.

Chronopoulos A, et al. (2020) Syndecan-4 tunes cell mechanics by activating the kindlin-integrin-RhoA pathway. *Nature materials*, 19(6), 669.

Xia S, et al. (2019) Nanoscale Architecture of the Cortical Actin Cytoskeleton in Embryonic Stem Cells. *Cell reports*, 28(5), 1251.

Vallejo-Diez S, et al. (2018) Generation of two induced pluripotent stem cells lines from a Mucopolysaccharydosis IIIB (MPSIIIB) patient. *Stem cell research*, 33, 180.

Fleischer A, et al. (2018) Generation of two induced pluripotent stem cell (iPSC) lines from p.F508del Cystic Fibrosis patients. *Stem cell research*, 29, 1.

Vallejo S, et al. (2018) Generation of two induced pluripotent stem cells lines from Mucopolysaccharydosis IIIA patient: IMEDEAi004-A and IMEDEAi004-B. *Stem cell*

research, 32, 110.

Wang Q, et al. (2017) Tumor Evolution of Glioma-Intrinsic Gene Expression Subtypes Associates with Immunological Changes in the Microenvironment. *Cancer cell*, 32(1), 42.

Lammirato A, et al. (2016) TIS7 induces transcriptional cascade of methylosome components required for muscle differentiation. *BMC biology*, 14(1), 95.

Inoue T, et al. (2015) Nectin-1 spots as a novel adhesion apparatus that tethers mitral cell lateral dendrites in a dendritic meshwork structure of the developing mouse olfactory bulb. *The Journal of comparative neurology*, 523(12), 1824.