Resource Summary Report

Generated by RRID on Jul 29, 2026

Mouse Anti-Actin, alpha-Smooth Muscle Monoclonal Antibody, Cy3 Conjugated, Clone 1A4

RRID:AB_476856
Type: Antibody

Proper Citation

Sigma-Aldrich Cat# C6198, RRID:AB_476856

Antibody Information

URL: http://antibodyregistry.org/AB_476856

Proper Citation: Sigma-Aldrich Cat# C6198, RRID:AB_476856

Target Antigen: Actin, alpha, Smooth Muscle

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: immunohistochemistry (frozen sections)
Consolidation on 6/2023: AB_416856

Antibody Name: Mouse Anti-Actin, alpha-Smooth Muscle Monoclonal Antibody, Cy3 Conjugated, Clone 1A4

Description: This monoclonal targets Actin, alpha, Smooth Muscle

Target Organism: other, chicken, chickenavian, rat, xenopus, snake, canine, goat, mouse, frog, rabbit, bovine, human, sheep

Clone ID: Clone 1A4

Antibody ID: AB_476856

Vendor: Sigma-Aldrich

Catalog Number: C6198

Record Creation Time: 20250819T232954+0000

Record Last Update: 20250820T053117+0000

Ratings and Alerts

- Worked; Conjugated worked better than unconjugated in CLARITY protocol performed on human pancreas. - Butterworth et al, 2018 https://dx.doi.org/10.3791/56859

No alerts have been found for Mouse Anti-Actin, alpha-Smooth Muscle Monoclonal Antibody, Cy3 Conjugated, Clone 1A4.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 145 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Scott-Solomon E, et al. (2026) Stress-induced sympathetic hyperactivation drives hair follicle necrosis to trigger autoimmunity. Cell, 189(1), 252.

Lee E, et al. (2026) Angiopoietin-2 aggravates Alzheimer's disease by promoting blood-brain barrier dysfunction and neuroinflammation. Cell reports, 116621.

Fischer S, et al. (2026) Loss of ADAMTS9 disrupts ciliogenesis and collagen homeostasis resulting in Nephronophthisis-like polycystic kidneys. bioRxiv : the preprint server for biology.

Arce M, et al. (2025) KRIT1 heterozygous mutations are sufficient to induce a pathological phenotype in patient-derived iPSC models of cerebral cavernous malformation. Cell reports, 44(5), 115576.

Ma HY, et al. (2025) Targeting CDK7/12/13 functional synergism reverses myofibroblast activation and ameliorates lung fibrosis. iScience, 28(7), 112778.

Asare Y, et al. (2025) A cis-regulatory element controls expression of histone deacetylase 9 to fine-tune inflammasome-dependent chronic inflammation in atherosclerosis. Immunity, 58(3), 555.

Krolak T, et al. (2025) Brain endothelial gap junction coupling enables rapid vasodilation propagation during neurovascular coupling. Cell, 188(18), 5003.

Trotta R, et al. (2025) Activated T Cells Break Tumor Immunosuppression by Macrophage Reeducation. Cancer discovery, 15(7), 1410.

Chen D, et al. (2025) Fibroblast bioelectric signaling drives hair growth. Cell.

Rotini A, et al. (2025) Sympathetic innervation maintains the murine quiescent skeletal muscle stem cell pool via perivascular-derived Angpt1. Developmental cell.

Auer M, et al. (2025) Generation of three human erythroblast-derived iPSC lines (UBTi002-A, UBTi002-B, and UBTi002-C). Stem cell research, 87, 103767.

Ma F, et al. (2025) EHBP1 suppresses liver fibrosis in metabolic dysfunction-associated steatohepatitis. Cell metabolism, 37(5), 1152.

Huang B, et al. (2025) Spatially patterned kidney assembloids recapitulate progenitor self-assembly and enable high-fidelity in vivo disease modeling. Cell stem cell, 32(10), 1614.

Mart??nez-Aguilar R, et al. (2025) Limiting Premenstrual Endometrial Hypoxia Inducible Factor 2 Alpha May Fine-Tune Endometrial Function at Menstruation. The Journal of clinical endocrinology and metabolism, 110(4), 1135.

Wang F, et al. (2025) Blockade of TSP-1/CD47 signal axis promotes donor hematopoietic engraftment by improving SEC/MK niche function. iScience, 28(3), 111952.

Contreras O, et al. (2025) OpenEMMU: A versatile, open-source EdU multiplexing methodology for studying DNA replication and cell cycle dynamics. iScience, 28(9), 113380.

Anbarci DN, et al. (2025) Rediscovering the rete ovarii, a secreting auxiliary structure to the ovary. eLife, 13.

Rios Coronado PE, et al. (2025) CXCL12 drives natural variation in coronary artery anatomy across diverse populations. Cell, 188(7), 1784.

Han F, et al. (2025) Lymphatic endothelial mTORC1 instructs metabolic and developmental signaling during lymphangiogenesis. Developmental cell, 60(17), 2331.

Koui Y, et al. (2025) Local keratinocyte-nociceptor interactions enhance obesity-mediated painful small fiber neuropathy via NGF-TrkA-PI3K signaling axis. iScience, 28(3), 112047.