

Resource Summary Report

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Monoclonal Anti-Actin, ?-Smooth Muscle - FITC antibody produced in mouse

RRID:AB_476977

Type: Antibody

Proper Citation

Sigma-Aldrich Cat# F3777, RRID:AB_476977

Antibody Information

URL: http://antibodyregistry.org/AB_476977

Proper Citation: Sigma-Aldrich Cat# F3777, RRID:AB_476977

Target Antigen: Actin, ?-Smooth Muscle

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: immunohistochemistry (formalin-fixed, paraffin-embedded sections)

Antibody Name: Monoclonal Anti-Actin, ?-Smooth Muscle - FITC antibody produced in mouse

Description: This monoclonal targets Actin, ?-Smooth Muscle

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

Clone ID: Clone 1A4

Antibody ID: AB_476977

Vendor: Sigma-Aldrich

Catalog Number: F3777

Record Creation Time: 20250820T010835+0000

Record Last Update: 20250820T100836+0000

Ratings and Alerts

No rating or validation information has been found for Monoclonal Anti-Actin, ?-Smooth Muscle - FITC antibody produced in mouse.

No alerts have been found for Monoclonal Anti-Actin, ?-Smooth Muscle - FITC antibody produced in mouse.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 91 mentions in open access literature.

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

Choi T, et al. (2026) 3D imaging with enhanced transparency, signal-to-background ratios, and antigen detection using HyPer-3D. Cell reports methods, 6(4), 101375.

Yadav S, et al. (2026) A triple-node heart-brain neuroimmune loop underlying myocardial infarction. Cell, 189(3), 800.

Luna G, et al. (2026) MYRF controls mesothelium specification, signaling, and plasticity in lung development. Developmental cell, 61(3), 536.

Lu Y, et al. (2026) Smooth muscle cells transiently acquire a CD34+ progenitor state upon injury to drive pathological vascular remodeling. Cell stem cell, 33(6), 964.

Lu T, et al. (2026) Dysplastic epithelial repair promotes the tissue residence of lymphocytes to inhibit alveolar regeneration post viral infection. Cell stem cell, 33(1), 108.

Mariancini A, et al. (2026) IL1R2 Deficiency Unleashes Neutrophil-Mediated Antitumor Potential in Sarcoma. Cancer immunology research, 14(5), 751.

Khadim A, et al. (2025) Protocol for the generation and immunostaining of thick murine lung tissue slices. STAR protocols, 6(3), 104034.

Qiu D, et al. (2025) Dectin-1 facilitates lung fungal-mediated pulmonary fibrosis. Immunity, 58(7), 1811.

Gao H, et al. (2025) Bio-orthogonal tuning of matrix properties during 3D cell culture to induce morphological and phenotypic changes. Nature protocols, 20(3), 727.

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

Lu Z, et al. (2025) Cardiac mural cells are rate-limiting for coronary vascularization after heart injury. iScience, 28(10), 113536.

Liu L, et al. (2025) TWEAK-Fn14 signaling protects mice from pulmonary fibrosis by inhibiting fibroblast activation and recruiting pro-regenerative macrophages. *Cell reports*, 44(2), 115220.

Khadim A, et al. (2025) Myofibroblasts emerge during alveolar regeneration following influenza-virus-induced lung injury. *Cell reports*, 44(2), 115248.

Birnhuber A, et al. (2025) Pulmonary vascular remodeling in Fra-2 transgenic mice is driven by type 2 inflammation and accompanied by pulmonary vascular hyperresponsiveness. *American journal of physiology. Lung cellular and molecular physiology*, 328(3), L413.

Yasuda E, et al. (2025) Potential mechanisms for chorioamniotic membrane rupture after subchorionic hematoma. *American journal of obstetrics and gynecology*, 233(2), 125.e1.

Fernández-Eulate G, et al. (2025) Generation of three human induced pluripotent stem cell (hiPSC) lines from patients with Late-Onset Tay-Sachs disease (HEXA-related adult-onset GM2-gangliosidosis). *Stem cell research*, 87, 103801.

Baas JD, et al. (2025) Distinct cAMP Regulation in Scleroderma Lung and Skin Myofibroblasts Governs Their Dedifferentiation via p38? Inhibition. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 39(12), e70762.

Foote AG, et al. (2025) Cellular heterogeneity and patterning strategies as revealed by upper respiratory epithelium single cell atlas. *iScience*, 28(7), 112845.

Costa RM, et al. (2024) In utero exposure to maternal diabetes exacerbates dietary sodium intake-induced endothelial dysfunction by activating cyclooxygenase 2-derived prostanoids. *American journal of physiology. Endocrinology and metabolism*, 326(5), E555.

Hamacher C, et al. (2024) A revised conceptual framework for mouse vomeronasal pumping and stimulus sampling. *Current biology : CB*, 34(6), 1206.