

Resource Summary Report

Generated by [NIF](#) on Aug 25, 2026

Anti-alpha smooth muscle Actin antibody

RRID:AB_2223021

Type: Antibody

Proper Citation

Abcam Cat# ab5694, RRID:AB_2223021

Antibody Information

URL: http://antibodyregistry.org/AB_2223021

Proper Citation: Abcam Cat# ab5694, RRID:AB_2223021

Target Antigen: alpha smooth muscle Actin

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: WB, IHC-P

Antibody Name: Anti-alpha smooth muscle Actin antibody

Description: This polyclonal targets alpha smooth muscle Actin

Target Organism: mouse, human

Defining Citation: [PMID:22678627](#)

Antibody ID: AB_2223021

Vendor: Abcam

Catalog Number: ab5694

Record Creation Time: 20250820T050110+0000

Record Last Update: 20250820T203354+0000

Ratings and Alerts

- Used by Campbell-Thompson for paraffin and fresh frozen staining protocols for human pancreatic islets. - Campbell-Thompson et al, 2012
<https://dx.doi.org/10.3791/4068>

No alerts have been found for Anti-alpha smooth muscle Actin antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 345 mentions in open access literature.

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

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.

Jafree DJ, et al. (2026) Osr1-expressing mesoderm contributes to lymphatic vessel assembly and complexity in the mammalian kidney. *Cell reports*, 45(7), 117560.

Osorio-Vasquez V, et al. (2026) Patient-derived organoids reveal ductal dysfunction and CFTR-modulator responses in chronic pancreatitis. *Cell stem cell*.

Jana S, et al. (2026) Collagen-Bearing Exosomes from Breast Cancer-Associated Fibroblasts Promote T-cell Dysfunction. *Cancer research communications*, 6(3), 630.

Yang X, et al. (2026) Heterogeneity of the adult mammalian forebrain neurogenic ependyma: A comprehensive cellular map. *Neural regeneration research*, 21(6), 2448.

Asmanidou S, et al. (2026) BCL-xL as a therapeutic target in cetuximab-refractory colorectal cancer. *Cell death & disease*, 17(1), 187.

Charoenphannathon JS, et al. (2026) Therapeutic targeting of bleomycin-induced pulmonary fibrosis by human bone marrow mesenchymal stem cell-derived extracellular vesicles and/or pirfenidone: Impact of sex in mature adult mice. *British journal of pharmacology*.

Buchmann S, et al. (2026) Establishment of CRISPR/Cas9-edited LEMD2 knock-in (UKWCHFi001-B-1) and knock-out (UKWCHFi001-B-2) iPSC lines to investigate the mechanisms of LEMD2-associated cardiomyopathy. *Stem cell research*, 95, 104049.

Yaghjian L, et al. (2026) Reliability of stromal markers multiplex immunofluorescent staining: pathologist assessment compared to quantitative image analysis. *American journal of cancer research*, 16(5), 1791.

Zhong Y, et al. (2026) Ion sequential therapy aligned with pathological changes enhances cardiac function after myocardial infarction. *Cell reports. Medicine*, 7(7), 102865.

Zhao Y, et al. (2026) Generation of synthetic vascular organoids via orthogonal programming of human pluripotent stem cells. *Cell regeneration (London, England)*, 15(1).

Balasubramanian R, et al. (2026) Single-cell characterization of anterior segment development in the mouse reveals the cell types, pathways, and signals driving formation of the trabecular meshwork and Schlemm's canal. *eLife*, 15.

Zhou L, et al. (2026) p21-Positive Senescent Stromal Cells Promote Prostate Cancer Immune Suppression and Progression That Can Be Reversed by Senolytic Therapy. *Cancer discovery*, 16(3), 571.

Hu X, et al. (2026) Neutrophil extracellular traps drive tubulointerstitial fibrosis via the coiled-coil domain-containing protein 25 (CCDC25)-Yes-associated protein 1 (YAP1) axis-mediated autophagy regulation. *British journal of pharmacology*, 183(17), 5190.

Chen CY, et al. (2026) Transcriptome-guided development of a fibrosis-reversal compound reduces skin scarring and allows regeneration via mitochondrial uncoupling. *Cell reports. Medicine*, 7(5), 102821.

Ballar?? R, et al. (2026) Aerobic Exercise Activates S1PR1 Signaling in Tumor Endothelial Cells to Promote Vascular Function in Pancreatic Cancer. *Cancer research*.

Tang XT, et al. (2026) Mapping the Tissue-of-Origins of Mesenchymal Stromal Cells in Injury Repair. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(3), e09533.

Xu Y, et al. (2026) Glutamine metabolism tunes myeloid responses to drive resolution of inflammation during skin repair. *Cell reports*, 45(3), 117001.

Zhou S, et al. (2026) Vascular normalization by erianin unleashes CAR-T immunotherapy in glioblastoma. *Angiogenesis*, 29(2), 18.

Assi M, et al. (2026) Extracellular matrix sensing regulates intratumoral heterogeneity of autophagic flux. *Cell*, 189(6), 1731.