

Resource Summary Report

Generated by [RRID](#) on Aug 9, 2026

alpha smooth muscle Actin antibody

RRID:AB_1951138

Type: Antibody

Proper Citation

Abcam Cat# ab21027, RRID:AB_1951138

Antibody Information

URL: http://antibodyregistry.org/AB_1951138

Proper Citation: Abcam Cat# ab21027, RRID:AB_1951138

Target Antigen: alpha smooth muscle Actin antibody

Host Organism: goat

Clonality: polyclonal

Comments: Applications: IHC-Fr, WB; ELISA; Immunohistochemistry; Immunohistochemistry - frozen; Western Blot
Info: Used by Czech Centre for Phenogenomics

Antibody Name: alpha smooth muscle Actin antibody

Description: This polyclonal targets alpha smooth muscle Actin antibody

Target Organism: rat, porcine, pig, mouse, human

Antibody ID: AB_1951138

Vendor: Abcam

Catalog Number: ab21027

Record Creation Time: 20250820T061405+0000

Record Last Update: 20250820T233542+0000

Ratings and Alerts

- Used by Czech Centre for Phenogenomics - Czech Centre for Phenogenomics
<https://www.phenogenomics.cz/>

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

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 25 mentions in open access literature.

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

Pini A, et al. (2026) β 3-adrenoceptor agonism exerts lung protection in a rat model of bronchopulmonary dysplasia. *British journal of pharmacology*, 183(10), 2497.

Manzhula K, et al. (2026) Astrocytic Accumulation at the Choroid Plexus Attachment Region. *Cellular and molecular neurobiology*, 46(1).

Zhou X, et al. (2026) Large-scale quantitative metabolomics and mass spectrometry imaging define the metabolic atlas in human acute type A aortic dissection. *Med (New York, N.Y.)*, 7(5), 101078.

Shi MY, et al. (2025) High-speed mapping of whole-mouse peripheral nerves at subcellular resolution. *Cell*, 188(14), 3897.

Ye H, et al. (2025) Distinct fibroblast assemblies establish scarless regeneration. *Cell reports*, 45(1), 116767.

Rachedi NS, et al. (2024) Dietary intake and glutamine-serine metabolism control pathologic vascular stiffness. *Cell metabolism*, 36(6), 1335.

Leeson-Payne A, et al. (2024) Loss of GPR75 protects against non-alcoholic fatty liver disease and body fat accumulation. *Cell metabolism*, 36(5), 1076.

Torrino S, et al. (2024) Mechano-dependent sorbitol accumulation supports biomolecular condensate. *Cell*.

Deng Z, et al. (2023) Temporal transcriptome features identify early skeletal commitment during human epiphysis development at single-cell resolution. *iScience*, 26(8), 107200.

Huang Q, et al. (2023) Inactivation of Cops5 in Smooth Muscle Cells Causes Abnormal Reproductive Hormone Homeostasis and Development in Mice. *Endocrinology*, 164(6).

Chesnokova V, et al. (2021) Local non-pituitary growth hormone is induced with aging and facilitates epithelial damage. *Cell reports*, 37(11), 110068.

Torrino S, et al. (2021) Mechano-induced cell metabolism promotes microtubule glutamylation to force metastasis. *Cell metabolism*, 33(7), 1342.

Bartman CM, et al. (2021) Cellular clocks in hyperoxia effects on $[Ca^{2+}]_i$ regulation in developing human airway smooth muscle. *American journal of physiology. Lung cellular and molecular physiology*, 320(3), L451.

Getachew A, et al. (2021) SAA1/TLR2 axis directs chemotactic migration of hepatic stellate cells responding to injury. *iScience*, 24(5), 102483.

Zabala M, et al. (2020) LEFTY1 Is a Dual-SMAD Inhibitor that Promotes Mammary Progenitor Growth and Tumorigenesis. *Cell stem cell*, 27(2), 284.

Xu J, et al. (2020) Lysosomal protein surface expression discriminates fat- from bone-forming human mesenchymal precursor cells. *eLife*, 9.

Liao R, et al. (2020) Vascular calcification is associated with Wnt-signaling pathway and blood pressure variability in chronic kidney disease rats. *Nephrology (Carlton, Vic.)*, 25(3), 264.

Zhai R, et al. (2020) Exendin-4, a GLP-1 receptor agonist regulates retinal capillary tone and restores microvascular patency after ischaemia-reperfusion injury. *British journal of pharmacology*, 177(15), 3389.

Kirst C, et al. (2020) Mapping the Fine-Scale Organization and Plasticity of the Brain Vasculature. *Cell*, 180(4), 780.

Shen L, et al. (2019) Sulindac-derived retinoid X receptor- γ modulator attenuates atherosclerotic plaque progression and destabilization in ApoE $^{-/-}$ mice. *British journal of pharmacology*, 176(14), 2559.