

Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 13, 2025

Collagen IV antibody

RRID:AB_305584

Type: Antibody

Proper Citation

(Abcam Cat# ab6586, RRID:AB_305584)

Antibody Information

URL: http://antibodyregistry.org/AB_305584

Proper Citation: (Abcam Cat# ab6586, RRID:AB_305584)

Target Antigen: Collagen IV antibody

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: ELISA, ICC/IF, IHC-FoFr, IHC-Fr, IHC-FrFI, IHC-P, IP, WB; Immunocytochemistry; Immunoprecipitation; Immunofluorescence; ELISA; Immunohistochemistry; Immunohistochemistry - fixed; Immunohistochemistry - frozen; Western Blot; Other

Info: Used by Czech Centre for Phenogenomics

Antibody Name: Collagen IV antibody

Description: This polyclonal targets Collagen IV antibody

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

Antibody ID: AB_305584

Vendor: Abcam

Catalog Number: ab6586

Record Creation Time: 20241017T003403+0000

Record Last Update: 20241017T022254+0000

Ratings and Alerts

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

No alerts have been found for Collagen IV antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 88 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Tomita-Yagi A, et al. (2024) The importance of proinflammatory failed-repair tubular epithelia as a predictor of diabetic kidney disease progression. *iScience*, 27(2), 109020.

Rosner M, et al. (2024) Oct4 controls basement membrane development during human embryogenesis. *Developmental cell*, 59(11), 1439.

Tian P, et al. (2024) Collagen IV assembly is influenced by fluid flow in kidney cell-derived matrices. *Cells & development*, 179, 203923.

Lee SR, et al. (2024) Nox4-SH3YL1 complex is involved in diabetic nephropathy. *iScience*, 27(2), 108868.

Kopsidas CA, et al. (2024) Sustained generation of neurons destined for neocortex with oxidative metabolic upregulation upon filamin abrogation. *iScience*, 27(7), 110199.

Remy D, et al. (2024) TFEB triggers a matrix degradation and invasion program in triple-negative breast cancer cells upon mTORC1 repression. *Developmental cell*.

Biswas S, et al. (2024) Glutamatergic neuronal activity regulates angiogenesis and blood-retinal barrier maturation via Norrin/?-catenin signaling. *Neuron*, 112(12), 1978.

Liu J, et al. (2024) Integrin ?M promotes macrophage alternative M2 polarization in hyperuricemia-related chronic kidney disease. *MedComm*, 5(7), e580.

Fan Z, et al. (2024) Macrophages preserve endothelial cell specialization in the adrenal gland to modulate aldosterone secretion and blood pressure. *Cell reports*, 43(7), 114395.

Radtke AJ, et al. (2024) Multi-omic profiling of follicular lymphoma reveals changes in tissue architecture and enhanced stromal remodeling in high-risk patients. *Cancer cell*, 42(3), 444.

Zhang C, et al. (2024) Methionine secreted by tumor-associated pericytes supports cancer stem cells in clear cell renal carcinoma. *Cell metabolism*, 36(4), 778.

Tignard P, et al. (2024) Basement membranes are crucial for proper olfactory placode shape, position and boundary with the brain, and for olfactory axon development. *eLife*, 12.

Baraban M, et al. (2023) Actomyosin contractility in olfactory placode neurons opens the skin epithelium to form the zebrafish nostril. *Developmental cell*, 58(5), 361.

Pellegrinelli V, et al. (2023) Defective extracellular matrix remodeling in brown adipose tissue is associated with fibro-inflammation and reduced diet-induced thermogenesis. *Cell reports*, 42(6), 112640.

Krausgruber T, et al. (2023) Single-cell and spatial transcriptomics reveal aberrant lymphoid developmental programs driving granuloma formation. *Immunity*, 56(2), 289.

Meiser P, et al. (2023) A distinct stimulatory cDC1 subpopulation amplifies CD8+ T cell responses in tumors for protective anti-cancer immunity. *Cancer cell*, 41(8), 1498.

Fang L, et al. (2023) TIMP3 promotes the maintenance of neural stem-progenitor cells in the mouse subventricular zone. *Frontiers in neuroscience*, 17, 1149603.

Koucký V, et al. (2023) Baseline reticular basement membrane morphology is related to subsequent spirometry deterioration in pediatric chronic airway inflammation: a follow-up study. *American journal of physiology. Lung cellular and molecular physiology*, 325(2), L125.

Kawakami E, et al. (2023) Complement factor D targeting protects endotheliopathy in organoid and monkey models of COVID-19. *Cell stem cell*, 30(10), 1315.

Maistriaux L, et al. (2023) Reconstruction of the human nipple-areolar complex: a tissue engineering approach. *Frontiers in bioengineering and biotechnology*, 11, 1295075.