

Resource Summary Report

Generated by [dkNET](#) on Jul 30, 2026

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: 20250820T061621+0000

Record Last Update: 20250820T234039+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 99 mentions in open access literature.

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

Yang Y, et al. (2025) A spatiotemporal and machine-learning platform facilitates the manufacturing of hPSC-derived esophageal mucosa. *Developmental cell*, 60(9), 1359.

Huang Z, et al. (2025) Lipocalin-2 regulates astrocyte-oligodendrocyte interaction to drive post-stroke secondary demyelination. *Cell reports*, 44(7), 115899.

Jeon MT, et al. (2025) TNF- α -NF- κ B activation through pathological α -Synuclein disrupts the BBB and exacerbates axonopathy. *Cell reports*, 44(7), 116001.

Schaeffer SM, et al. (2025) Hypertension-induced neurovascular and cognitive dysfunction at single-cell resolution. *Neuron*.

Zuo Y, et al. (2025) Monocyte-derived cells promote transient insult-induced brain injury by enhancing CD8⁺ T cell response. *Cell reports*, 44(11), 116528.

Svobodová B, et al. (2025) Collagen VII Is Associated with Airway Remodeling, Honeycombing, and Fibroblast Foci in Usual Interstitial Pneumonia/Idiopathic Pulmonary Fibrosis. *The American journal of pathology*, 195(8), 1467.

Cao Y, et al. (2025) Structural changes in cerebral microvasculature induced by ferroptosis contribute to blood-brain barrier disruption in Alzheimer's disease: an autopsy study. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 21(4), e70103.

Kim SH, et al. (2025) IL-10 sensing by lung interstitial macrophages prevents bacterial dysbiosis-driven pulmonary inflammation and maintains immune homeostasis. *Immunity*, 58(5), 1306.

Gama Sosa MA, et al. (2025) Intramural hematomas and astrocytic infiltration precede perivascular inflammation in a rat model of repetitive low-level blast injury. *Journal of neuropathology and experimental neurology*, 84(4), 337.

Lee SY, et al. (2025) A Novel Mechanism of the p53 Isoform γ 40p53 γ in Regulating Collagen III Expression in TGF β 1-Induced LX-2 Human Hepatic Stellate Cells. *FASEB journal : official publication of the Federation of American Societies for Experimental*

Biology, 39(8), e70541.

Barlow GL, et al. (2025) The extra-islet pancreas supports autoimmunity in human type 1 diabetes. *eLife*, 13.

Gong L, et al. (2025) Rapid generation of functional vascular organoids via simultaneous transcription factor activation of endothelial and mural lineages. *Cell stem cell*, 32(8), 1200.

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.

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

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

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.

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.

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.