

Resource Summary Report

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Kidney Interactive Transcriptomics

RRID:SCR_017209

Type: Tool

Proper Citation

Kidney Interactive Transcriptomics (RRID:SCR_017209)

Resource Information

URL: <http://www.humphreyslab.com/SingleCell/>

Proper Citation: Kidney Interactive Transcriptomics (RRID:SCR_017209)

Description: Software tool as analyzer for kidney single cell datasets. Allows users to query gene expression from mouse or human kidney and human kidney organoid single cell datasets. For details about datasets visit ReBuilding a Kidney website.

Abbreviations: KIT

Resource Type: service resource, analysis service resource, data or information resource, production service resource

Keywords: Analyzer, kidney, single, cell, dataset, gene, expression, mouse, human, organoid

Availability: Free, Freely available

Resource Name: Kidney Interactive Transcriptomics

Resource ID: SCR_017209

Alternate URLs: <https://www.rebuildingakidney.org/>

Record Creation Time: 20220129T080334+0000

Record Last Update: 20260804T043649+0000

Ratings and Alerts

No rating or validation information has been found for Kidney Interactive Transcriptomics.

No alerts have been found for Kidney Interactive Transcriptomics.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 75 mentions in open access literature.

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

Chen S, et al. (2025) Multi-omic and spatial analysis of mouse kidneys highlights sex-specific differences in gene regulation across the lifespan. *Nature genetics*, 57(5), 1213.

Park PG, et al. (2025) Inflammatory Milieu by Crosstalk between Glomerulus and Proximal Tubular Cells in Type 2 Diabetes Mellitus Kidney Disease. *Diabetes & metabolism journal*, 49(5), 1024.

Zhu XX, et al. (2025) Inhibition of PGK1 ameliorates acute kidney injury through inactivating the PKM2/ALOX12/ferroptosis pathway in a study with male mice. *Nature communications*, 16(1), 9436.

Zhang X, et al. (2025) Endothelial Lon protease 1 facilitates the redox balance to prevent glomerulosclerosis by acting on superoxide dismutase 2 ubiquitination. *Redox biology*, 88, 103929.

Wang L, et al. (2025) Podocyte specific knockout of the natriuretic peptide clearance receptor is podocyte protective in focal segmental glomerulosclerosis. *PloS one*, 20(3), e0319424.

Jiang L, et al. (2025) Revealing VCAN as a Potential Common Diagnostic Biomarker of Renal Tubules and Glomerulus in Diabetic Kidney Disease Based on Machine Learning, Single-Cell Transcriptome Analysis and Mendelian Randomization. *Diabetes & metabolism journal*, 49(3), 407.

Liu Z, et al. (2025) Calcium-sensing receptor- and ADAM10-mediated klotho shedding is regulated by tetraspanin 5. *FEBS letters*, 599(6), 866.

Zhu Z, et al. (2025) CerS6 links ceramide metabolism to innate immune responses in diabetic kidney disease. *Nature communications*, 16(1), 1528.

Zhou W, et al. (2025) Nanoparticle-mediated overexpression of RacGAP1 protects against renal ischemia/reperfusion injury by maintaining mitochondrial homeostasis. *Clinical science (London, England : 1979)*, 139(22), 1571.

Kang P, et al. (2025) Inhibitors of p53 Apoptosis-Stimulating Protein Mitigate Acute Kidney Injury by Modulating the HIF-1 α /SLC7A11 Pathway to Suppress Ferroptosis. *Journal of cellular and molecular medicine*, 29(11), e70580.

Wang M, et al. (2025) The secreted protease ADAMTS18 is a novel activator of latent TGF- β to exacerbate renal fibrosis. *Communications biology*, 8(1), 892.

Fu Z, et al. (2025) Association of fructose-1,6-diphosphatase 1 with the progression of diabetic kidney disease. *Nutrition & metabolism*, 22(1), 139.

Xia Y, et al. (2025) EZH2-mediated macrophage-to-myofibroblast transition contributes to calcium oxalate crystal-induced kidney fibrosis. *Communications biology*, 8(1), 286.

Zhou W, et al. (2025) Transcription factor specificity protein (SP) family in renal physiology and diseases. *PeerJ*, 13, e18820.

Zhang J, et al. (2025) Keap1-independent Nrf2 regulation: A novel therapeutic target for treating kidney disease. *Redox biology*, 82, 103593.

Sun Y, et al. (2025) CREB1/CRTC2 regulated tubular epithelial-derived exosomal miR-93-3p promotes kidney injury induced by calcium oxalate via activating M1 polarization and macrophage extracellular trap formation. *Journal of nanobiotechnology*, 23(1), 204.

Li T, et al. (2025) Identification and experimental validation of mitochondrial and endoplasmic reticulum stress related gene in diabetic nephropathy. *Scientific reports*, 15(1), 28980.

Huang Z, et al. (2025) Low-intensity pulsed ultrasound stimulation to treat renal fibrosis through inhibiting tubular IL-1R. *JCI insight*, 10(17).

Muto Y, et al. (2024) Epigenetic reprogramming driving successful and failed repair in acute kidney injury. *bioRxiv : the preprint server for biology*.

Jiang M, et al. (2024) Lipolysis-Stimulated Lipoprotein Receptor in Proximal Tubule, BMP-SMAD Signaling, and Kidney Disease. *Journal of the American Society of Nephrology : JASN*, 35(8), 1016.