

Resource Summary Report

Generated by [RRID](#) on Aug 8, 2026

Human Nephrin Antibody

RRID:AB_2154851

Type: Antibody

Proper Citation

R and D Systems Cat# AF4269, RRID:AB_2154851

Antibody Information

URL: http://antibodyregistry.org/AB_2154851

Proper Citation: R and D Systems Cat# AF4269, RRID:AB_2154851

Target Antigen: Nephrin

Host Organism: Sheep

Clonality: polyclonal

Comments: Applications: Western Blot, Simple Western, Immunohistochemistry

Antibody Name: Human Nephrin Antibody

Description: This polyclonal targets Nephrin

Target Organism: Human

Antibody ID: AB_2154851

Vendor: R and D Systems

Catalog Number: AF4269

Alternative Catalog Numbers: AF4269-SP

Record Creation Time: 20250820T041149+0000

Record Last Update: 20250820T181839+0000

Ratings and Alerts

No rating or validation information has been found for Human Nephrin Antibody.

No alerts have been found for Human Nephrin Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

??zel C, et al. (2026) Mitochondrial integrity modulates mTOR signaling and podocyte function. *iScience*, 29(1), 114279.

Huang B, et al. (2025) Spatially patterned kidney assembloids recapitulate progenitor self-assembly and enable high-fidelity in vivo disease modeling. *Cell stem cell*, 32(10), 1614.

Shi M, et al. (2025) Integrating collecting systems in human kidney organoids through fusion of distal nephron to ureteric bud. *Cell stem cell*, 32(7), 1055.

Huang B, et al. (2025) Expansion of human pluripotent stem cell-induced nephron progenitor cells (iNPCs) and the generation of nephron organoids from iNPCs. *Nature protocols*.

Huang B, et al. (2024) Long-term expandable mouse and human-induced nephron progenitor cells enable kidney organoid maturation and modeling of plasticity and disease. *Cell stem cell*, 31(6), 921.

Davis SN, et al. (2024) Nephron progenitors rhythmically alternate between renewal and differentiation phases that synchronize with kidney branching morphogenesis. *bioRxiv* : the preprint server for biology.

Porter CM, et al. (2023) Highly-parallel production of designer organoids by mosaic patterning of progenitors. *bioRxiv* : the preprint server for biology.

Kunte SC, et al. (2023) No NLRP3 inflammasome activity in kidney epithelial cells, not even when the NLRP3-A350V Muckle-Wells variant is expressed in podocytes of diabetic mice. *Frontiers in immunology*, 14, 1230050.

Rahmani W, et al. (2022) Attenuation of SARS-CoV-2 infection by losartan in human kidney organoids. *iScience*, 25(2), 103818.

Ungricht R, et al. (2022) Genome-wide screening in human kidney organoids identifies developmental and disease-related aspects of nephrogenesis. *Cell stem cell*, 29(1), 160.

Wang G, et al. (2022) Spatial dynamic metabolomics identifies metabolic cell fate trajectories in human kidney differentiation. *Cell stem cell*, 29(11), 1580.

Chung H, et al. (2022) Infecting kidney organoids with a cDNA reporter clone of SARS-CoV-2. *STAR protocols*, 3(3), 101617.

Jansen J, et al. (2022) SARS-CoV-2 infects the human kidney and drives fibrosis in kidney organoids. *Cell stem cell*, 29(2), 217.

Morais MRPT, et al. (2022) Kidney organoids recapitulate human basement membrane assembly in health and disease. *eLife*, 11.

Lawrence ML, et al. (2022) Human iPSC-derived renal organoids engineered to report oxidative stress can predict drug-induced toxicity. *iScience*, 25(3), 103884.

Garreta E, et al. (2022) A diabetic milieu increases ACE2 expression and cellular susceptibility to SARS-CoV-2 infections in human kidney organoids and patient cells. *Cell metabolism*, 34(6), 857.

Butt L, et al. (2021) A mathematical estimation of the physical forces driving podocyte detachment. *Kidney international*, 100(5), 1054.

Butt L, et al. (2020) A molecular mechanism explaining albuminuria in kidney disease. *Nature metabolism*, 2(5), 461.

Uchimura K, et al. (2020) Human Pluripotent Stem Cell-Derived Kidney Organoids with Improved Collecting Duct Maturation and Injury Modeling. *Cell reports*, 33(11), 108514.

Monteil V, et al. (2020) Inhibition of SARS-CoV-2 Infections in Engineered Human Tissues Using Clinical-Grade Soluble Human ACE2. *Cell*, 181(4), 905.