**Medaysis**
*Enable Innovation*

DATA SHEET

# Rabbit Anti-NPHS2/Podocin Polyclonal: RC0025-0.1ML

**Intended Use:** For Research Use Only

**Description:** This gene encodes the glomerular protein podocin which plays a role in the regulation of glomerular permeability, and acts as a linker between the plasma membrane and the cytoskeleton. Defects in this gene are the cause of autosomal recessive steroid-resistant nephrotic syndrome (SRN). SRN is characterized by onset between three months and five years, resistance to steroid therapy and rapid progression to end-stage renal disease. An alternative splice variant has been described but its full length sequence has not been determined. Almost exclusively expressed in the podocytes of fetal and mature kidney glomeruli.

**Specifications:**

| | |
|---|---|
| Clone: | Polyclonal |
| Source: | Rabbit |
| Isotype: | IgG |
| Reactivity: | Human, mouse, rat |
| Immunogen: | Synthesized peptide of human NPHS2 |
| Localization: | Membrane |
| Formulation: | Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3) |
| Storage: | Store at 2°- 8°C |
| Applications: | IHC, ELISA |

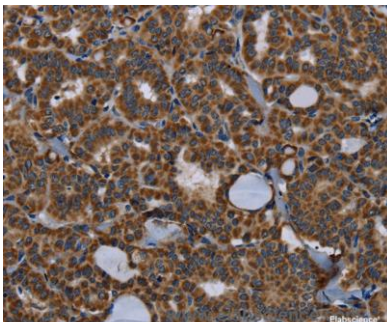
Package:

| Description | Catalog No. | Size |
|---|---|---|
| NPHS2/Podocin Concentrated | RC0025-0.1ML | 0.1 ml |

**IHC Procedure*:**

| | |
|---|---|
| Positive Control Tissue: | Fetal kidney |
| Concentrated Dilution: | 25-200 |
| Pretreatment: | Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C |
| Incubation Time and Temp: | Overnight @ 4°C |
| Detection: | Refer to the detection system manual |

* Result should be confirmed by an established diagnostic procedure.



FFPE human thyroid cancer stained with anti-NPHS2 using DAB

**References:**


1. A mouse model of prenatal exposure to Interleukin-6 to study the developmental origin of health and disease. Srivastava T, et al. Sci Rep 11:13260, 2021.
2. miR-29b attenuates histone deacetylase-4 mediated podocyte dysfunction and renal fibrosis in diabetic nephropathy. Gondaliya P, et al. J Diabetes Metab Disord 19:13-27, 2020.





Orders: customercare@medaysis.com Support: techsupport@medaysis.com Tel: 510-509-3153 www.medaysis.com