



Nephrin rabbit pAb

Cat No.:ES6411

For research use only

Overview

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|--------------------------|---|
| Product Name | Nephrin rabbit pAb |
| Host species | Rabbit |
| Applications | WB;IHC;IF;ELISA |
| Species Cross-Reactivity | Human;Mouse;Rat |
| Recommended dilutions | Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications. |
| Immunogen | The antiserum was produced against synthesized peptide derived from human Nephrin. AA range:843-892 |
| Specificity | Nephrin Polyclonal Antibody detects endogenous levels of Nephrin protein. |
| Formulation | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Storage | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| Protein Name | Nephrin |
| Gene Name | NPHS1 |
| Cellular localization | Cell membrane ; Single-pass type I membrane protein . Predominantly located at podocyte slit diaphragm between podocyte foot processes. Also associated with podocyte apical plasma membrane. . |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Clonality | Polyclonal |
| Concentration | 1 mg/ml |
| Observed band | |
| Human Gene ID | 4868 |
| Human Swiss-Prot Number | O60500 |
| Alternative Names | NPHS1; NPHN; Nephrin; Renal glomerulus-specific cell adhesion receptor |
| Background | This gene encodes a member of the immunoglobulin family of cell adhesion molecules |





that functions in the glomerular filtration barrier in the kidney. The gene is primarily expressed in renal tissues, and the protein is a type-1 transmembrane protein found at the slit diaphragm of glomerular podocytes. The slit diaphragm is thought to function as an ultrafilter to exclude albumin and other plasma macromolecules in the formation of urine. Mutations in this gene result in Finnish-type congenital nephrosis 1, characterized by severe proteinuria and loss of the slit diaphragm and foot processes.[provided by RefSeq, Oct 2009],

Immunohistochemistry analysis of Nephtrin antibody in paraffin-embedded human brain tissue.

