



# Pab to Nephtrin

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| <b>Category</b>  | Guinea pig polyclonal (GP-N2)  |
| <b>Purification / Form</b>                                 | Whole antiserum  |
| <b>Immunogen</b>   | Synthetic peptide (intracellular domain, aa1243-1256)  |
| <b>Description/Specificity</b>                             | The antibody reacts specifically with nephrin, first described as a kidney podocyte marker protein (MW 135,000 calculated from aa sequence data; apparent M <sub>r</sub> 185,000 after SDS-PAGE). Nephrin is a transmembrane cell adhesion molecule located at the slit diaphragm. |
| <b>Immunolocalization</b>                                  | The antibody stains positively podocytes of the kidney, radial glial cells of the brain, Sertoli cells of testis, and beta islet cells of the pancreas.  |
| <b>Antigen recognized in species</b><br>(tested so far)    | Human, mouse   |
| <b>Reactivities on Cultured Cell Lines</b> (tested so far) | PCL (podocyte cell line), M-1 (cortical collecting duct cells)   |
| <b>Application</b>   | <ul style="list-style-type: none"><li>• Immunoblotting (Western blot)</li><li>• Immunofluorescence microscopy on frozen tissue</li><li>• Immunohistochemistry on paraffin sections, only when using the microwave method</li></ul>   |
| <b>Working Dilution</b>                                    | 1:50 for immunohistochemistry<br>1:500 for immunoblotting  |
| <b>Incubation Time</b>                                     | 1 h at room temperature or over night at 2-8°C   |
| <b>Storage</b>   | At 2-8°C   |
| <b>Quantity</b>  | 100 µL; contains 0.09% sodium azide  |
| <b>References</b>  |  |

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Cat. No. GP-N2