

# Nephrin Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Rat, Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	A 14 amino acid peptide from near the carboxy terminus of human Nephrin.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS
Contains	0.02% sodium azide
Storage conditions	4° C
RRID	AB_11153994

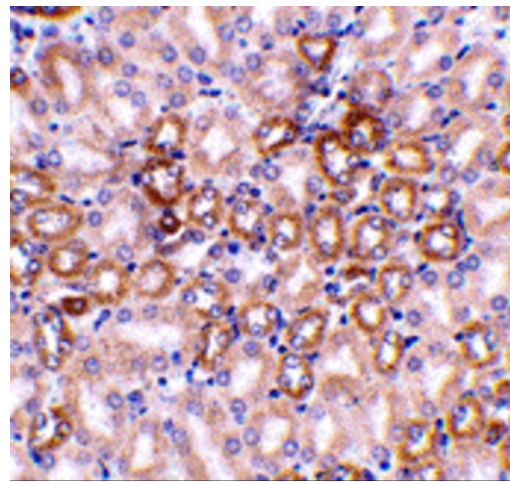
Applications	Tested Dilution	Publications
Western Blot (WB)	1 µg/mL	4 Publications
Immunohistochemistry (IHC)	1 µg/mL	1 Publication
Immunocytochemistry (ICC/IF)	-	2 Publications

## Product Specific Information

Despite its predicted molecular weight, Nephrin often migrates at a lower molecular weight in SDS-PAGE. A suggested positive control is mouse kidney tissue lysate.

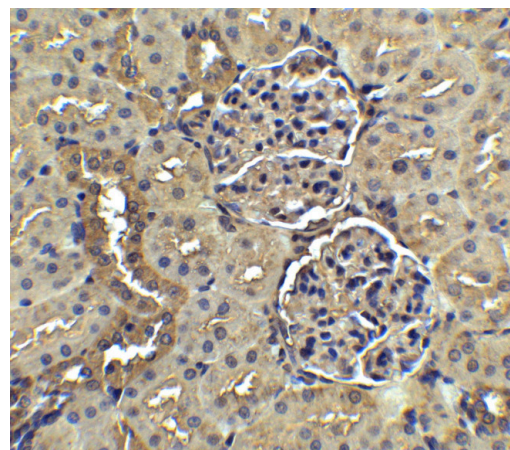
PA5-20330 can be used with blocking peptide PEP-0450.

Product Images For Nephrin Polyclonal Antibody



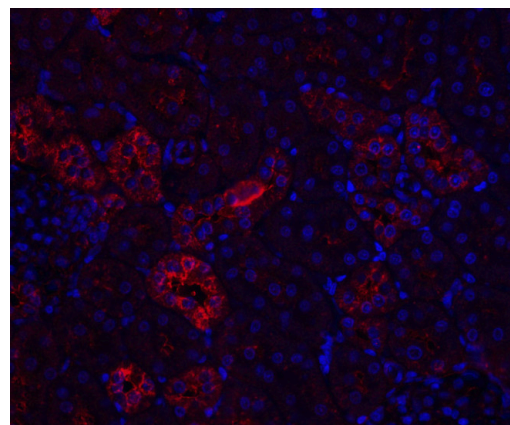
**Nephrin Antibody (PA5-20330) in IHC (P)**

Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using Nephrin Polyclonal Antibody (Product # PA5-20330) at 1 µg/mL. Tissue was fixed with formaldehyde and blocked with 0.1 serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



**Nephrin Antibody (PA5-20330) in IHC (P)**

Immunohistochemical analysis of paraffin-embedded rat kidney tissue using Nephrin Polyclonal Antibody (Product # PA5-20330) at 5 µg/mL. Tissue was fixed with formaldehyde and blocked with 0.1 serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



**Nephrin Antibody (PA5-20330) in IHC (P)**

Immunofluorescent analysis of 4% paraformaldehyde-fixed rat kidney tissue labeling Nephrin with Nephrin Polyclonal Antibody (Product # PA5-20330) at 20 µg/mL, followed by goat anti-rabbit IgG secondary antibody at 1:500 dilution (red) and DAPI staining (blue).

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Western Blot (4)

<p>American journal of physiology. Renal physiology</p> <p><b>Role of -adducin in actin cytoskeleton rearrangements in podocyte pathophysiology.</b></p> <p>"PA5-20330 was used in Immunocytochemistry-immunofluorescence to demonstrate that reduced membrane expression of -adducin (ADD3) in podocytes rearranges the localization and morphology of the actin cytoskeleton that replaces unbranched stress fibers with branched F-actin nets."</p> <p>Authors: Gao W,Liu Y,Fan L,Zheng B,Jefferson JR,Wang S,Zhang H,Fang X,Nguyen BV,Zhu T,Roman RJ,Fan F</p>	<p>Year 2021</p> <p>Species Mouse Rat</p> <p>Dilution 1:1000 1:1000</p>
<p>Nature communications</p> <p><b>A glomerulus-on-a-chip to recapitulate the human glomerular filtration barrier.</b></p> <p>"Published figure using Nephryn polyclonal antibody (Product # PA5-20330) in Western Blot"</p> <p>Authors: Petrosyan A,Cravedi P,Villani V,Angeletti A,Manrique J,Renieri A,De Filippo RE,Perin L,Da Sacco S</p>	<p>Year 2019</p>

[View more WB references on thermofisher.com](#)

Immunohistochemistry (1)

<p>Science advances</p> <p><b>Podocyte injury elicits loss and recovery of cellular forces.</b></p> <p>"PA5-20330 was used in Immunocytochemistry to find that injured podocytes experience near-complete loss of cellular force transmission but that this loss of force is reversible under certain conditions."</p> <p>Authors: Haley KE,Kronenberg NM,Liehm P,Eishani M,Bell C,Harrison DJ,Gather MC,Reynolds PA</p>	<p>Year 2018</p> <p>Species Human</p> <p>Dilution 1:200</p>
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Immunocytochemistry (2)

<p>American journal of physiology. Renal physiology</p> <p><b>Role of -adducin in actin cytoskeleton rearrangements in podocyte pathophysiology.</b></p> <p>"PA5-20330 was used in Immunocytochemistry-immunofluorescence to demonstrate that reduced membrane expression of -adducin (ADD3) in podocytes rearranges the localization and morphology of the actin cytoskeleton that replaces unbranched stress fibers with branched F-actin nets."</p> <p>Authors: Gao W,Liu Y,Fan L,Zheng B,Jefferson JR,Wang S,Zhang H,Fang X,Nguyen BV,Zhu T,Roman RJ,Fan F</p>	<p>Year 2021</p> <p>Species Mouse Rat</p> <p>Dilution 1:1000 1:1000</p>
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