Nephrin Antibody

Catalog No: #24104

Orders: order@signalwayantibody.com
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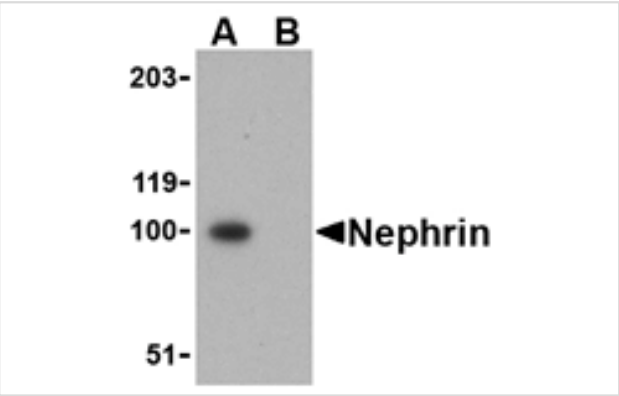
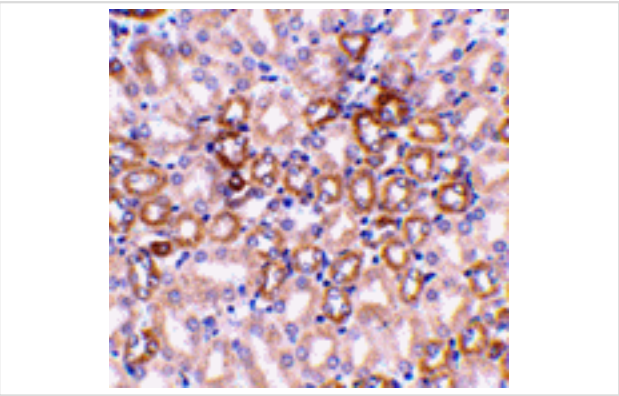
Description

Product Name	Nephrin Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 14 amino acid peptide from near the carboxy terminus of human Nephrin.
Target Name	Nephrin
Other Names	Nephrin, NPHN, NPHS1, Renal glomerulus-specific cell adhesion receptor
Accession No.	NP_004637
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of Nephrin in mouse kidney tissue lysate with Nephrin antibody at 1 ug/mL in the (A) absence and (B) presence of blocking peptide.



Immunohistochemistry of Nephrin in mouse kidney tissue with Nephrin antibody at 1 ug/mL.

Background

Nephrin is strongly expressed in renal glomeruli and is a member of the immunoglobulin family of cell adhesion molecules. Mutations in the Nephrin gene result in congenital nephrotic syndrome, an autosomal-recessive disorder characterized by massive proteinuria in utero and nephrosis at birth. Renal glomeruli allow normal kidneys to filter plasma so that it is very pure. Nephrin is expressed in the podocyte slit-diaphragm of the renal glomeruli in a manner that suggests that Nephrin molecules homodimerize in an anti-parallel fashion similar to cadherin interactions in adherens junctions. Thus, Nephrin may constitute the entire extracellular structure of the slit-diaphragm.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.