

产品名称: Nephrin Rabbit Polyclonal Antibody

产品货号: APRab14562

产品概述 (Summary)

描述(Description)	Rabbit polyclonal Antibody
宿主(Host)	Rabbit
应用(Application)	WB,IHC,ICC/IF,ELISA
种属反应(Reactivity)	Human,Mouse,Rat
偶联物(Conjugation)	Unconjugated
修饰(Modification)	Unmodified
同种型(Isotype)	IgG
克隆(Clonality)	Polyclonal
剂型(Form)	Liquid
保存条件(Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液(Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化 (Purification)	Affinity purification

产品应用(Application)

稀释比(Dilution Ratio) WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000

分子量(Molecular Weight)

抗原信息(Antigen Information)

基因名(Gene Name)	NPHS1
别名(Alternative Names)	NPHS1; NPHN; Nephrin; Renal glomerulus-specific cell adhesion receptor
基因 ID(Gene ID)	4868.0
SwissProt ID	O60500
免疫原(Immunogen)	The antiserum was produced against synthesized peptide derived from human Nephrin. AA range:843-892

研究背景 (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],developmental stage:In 23-week-old embryo found in epithelial podocytes of the periphery of mature and developing glomeruli.,disease:Defects in NPHS1 are the cause of congenital nephrotic syndrome of the Finnish type (NPHS1 or CNF) [MIM:256300]. CNF is an autosomal recessive disorder characterized by massive proteinuria in utero and nephrosis at birth.,function:Seems to play a role in the development or function of the kidney glomerular filtration barrier. May anchor the podocyte slit diaphragm to the actin cytoskeleton.,PTM:Phosphorylated on tyrosine residues.,similarity:Belongs to the immunoglobulin superfamily.,similarity:Contains 1 fibronectin type-III domain.,similarity:Contains 8 Ig-like C2-type (immunoglobulin-like) domains.,subcellular location:Predominantly located at podocyte slit diaphragm between podocyte foot processes. Also associated with podocyte apical plasma membrane.,subunit:Interacts with podocin/NPHS2 and KIRREL. Interacts with CD2AP C-terminal domain (By similarity). Interacts with MAGI1 PDZ 2 and 3 domains forming a tripartite complex with IGSF5/JAM4 (By similarity). Interacts with DDN; the interaction is direct.,tissue specificity:Specifically expressed in podocytes of kidney glomeruli.,

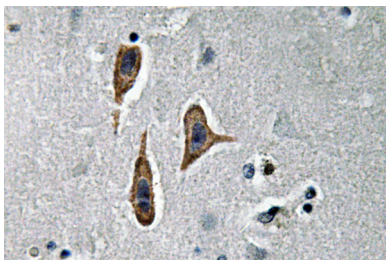
研究领域 (Research Area)

Signal Transduction; Cytoskeleton / ECM; Cell Adhesion; Cell Adhesion Molecules; Endothelial

注意事项 (Note)

For research use only.

图片 (Image Data)



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

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产品类别	产品货号	产品名称
WB 解决方案	RA10020	2h 极速 WB 即用型全流程试剂盒
	RA10021	4h 快速 WB 即用型全流程试剂盒
	RA10042	5h 畅享版 WB 全流程试剂盒
	RA10037	校准级彩色预染蛋白 Marker (8-180kDa)
	RA10038	校准级彩色预染蛋白 Marker (10-250kDa)
	RA10039	校准级高分子彩色预染蛋白 Marker (25-400kDa)
TSA 多重荧光染色试剂盒	RA10008	TSA 双标三色多重荧光染色试剂盒 (mIHC)
	RA10009	TSA 三标四色多重荧光染色试剂盒 (mIHC)
	RA10010	TSA 四标五色多重荧光染色试剂盒 (mIHC)
	RA10011	TSA 五标六色多重荧光染色试剂盒 (mIHC)
	RA10012	TSA 六标七色多重荧光染色试剂盒 (mIHC)
IHC 检测试剂盒	RA10006	HRP Anti-Mouse/Rabbit IHC Detection System
	RA10007	Polymer-HRP Anti-Mouse/Rabbit IHC Detection System
抗体标记试剂盒	RE80004p	辣根过氧化物酶(HRP)抗体标记试剂盒
	RE80002q	Sulfo-NHS-生物素标记试剂盒
	RE80007p	Cy3 荧光素标记试剂盒
	RE80011p	Fluor488 荧光素标记试剂盒
	RE80017p	Fluor750 荧光素标记试剂盒
	RE80005p	藻红蛋白(R-PE) 抗体快速标记试剂盒
	RE80040	PE-Cy7 串联染料抗体快速标记试剂盒
稳转细胞系构建服务 (免费赠送全膜 WB 验证)	TS-0001	过表达稳转细胞系构建
	TS-0002	敲低稳转细胞系构建
	TS-0003	敲除细胞系构建

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