



KIRR1 Polyclonal Antibody

Catalog No	YP-Ab-07668
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	KIRREL KIRREL1 NEPH1
Immunogen	Synthesized peptide derived from part region of human protein AA range: 166-216
Specificity	KIRR1 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	KIRR1;KIRREL KIRREL1 NEPH1;Kin of IRRE-like protein 1 (Kin of irregular chiasm-like protein 1) (Nephrin-like protein 1)
Observed Band	83kD
Calculated Molecular Weight	83kD
Cell Pathway	Cell membrane ; Single-pass type I membrane protein . Predominantly located at podocyte slit diaphragm.
Tissue Specificity	Abundantly expressed in kidney. Specifically expressed in podocytes of kidney glomeruli.
Function	function:Plays a significant role in the normal development and function of the glomerular permeability. Signaling protein that needs the presence of TEC kinases to fully trans-activate the transcription factor AP-1.,PTM:Phosphorylation probably regulates the interaction with NSH2.,similarity:Belongs to the immunoglobulin superfamily.,similarity:Contains 5 Ig-like C2-type (immunoglobulin-like) domains.,subcellular location:Predominantly located at podocyte slit diaphragm.,subunit:Interacts with NPHS1/nephrin, TJP1/ZO-1 and C-terminus of NPHS2/podocin.,tissue specificity:Abundantly expressed in kidney. Specifically expressed in podocytes of kidney glomeruli.,

Background

NEPH1 is a member of the nephrin-like protein family, which includes NEPH2 (MIM 607761) and NEPH3 (MIM 607762). The cytoplasmic domains of these proteins interact with the C terminus of podocin (NPHS2; MIM 604766), and the genes are expressed in kidney podocytes, cells involved in ensuring size- and charge-selective ultrafiltration (Sellin et al., 2003 [PubMed 12424224]).[supplied by OMIM, Mar 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images