

Rabbit Anti-NPHS2 antibody

SL41306R

Product Name	NPHS2
Chinese Name	肾小球裂孔膜蛋白 PDCN 抗体
Alias	nephrosis 2, idiopathic, steroid resistant; NPHS2 gene; PDCN; Podocin; SRN1; PODO_HUMAN.
Research Area	Cell biology Signal transduction
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human, WB=1:500-2000,ELISA=1:5000-10000
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	42kDa
Cellular localization	The cell membrane
Form	Liquid
Concentration	1mg/ml
immunogen	Recombinant human Podocin protein: 125-383/383
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product Detail	Podocin is an important member of a group of proteins shown to be associated with the slit diaphragm. Podocin belongs to the band 7 stomatin family of lipid raft-associated proteins. It is a hairpin like integral membrane protein with intracellular N and C termini. Podocin is located at the insertion site of the slit

membrane, and is thought to act as a scaffold protein required to maintain or regulate the structural integrity of the slit diaphragm. It plays a role in the regulation of glomerular permeability, acting probably as a linker between the plasma membrane and the cytoskeleton.

SWISS:
Q9NP85

Gene ID:
7827

Database links:

[Entrez Gene: 7827](#) Human

[Entrez Gene: 170484](#) Mouse

[Entrez Gene: 170672](#) Rat

[Omim: 604766](#) Human

[SwissProt: Q9NP85](#) Human

[SwissProt: Q91X05](#) Mouse

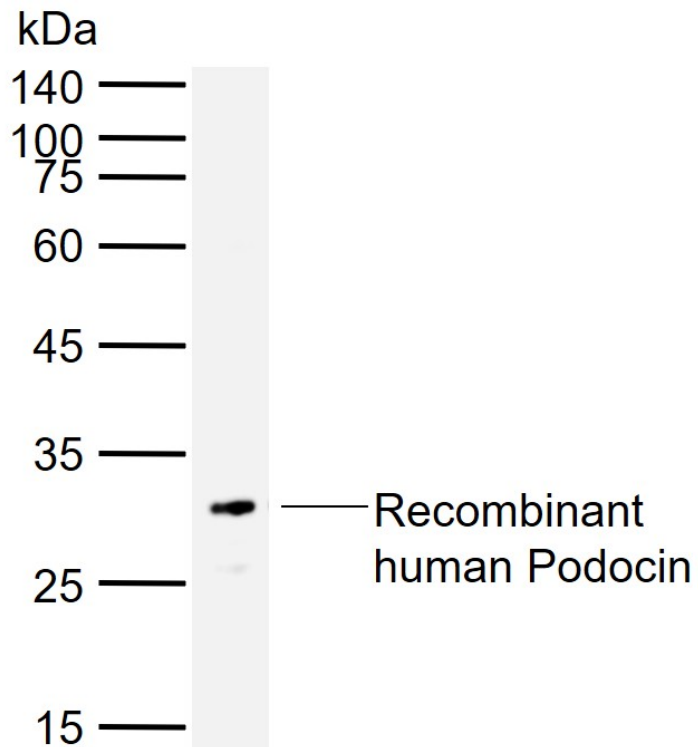
[SwissProt: Q8K4G9](#) Rat

[Unigene: 412710](#) Human

[Unigene: 289099](#) Mouse

[Unigene: 86433](#) Rat

Product Picture



Sample:

Lane 1: Recombinant human Podocin, N-his

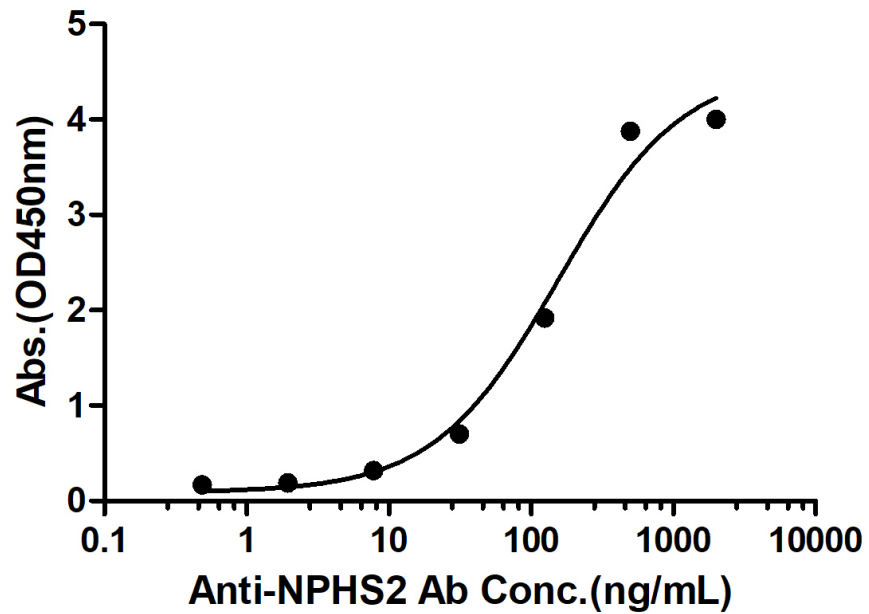
Primary: Anti-NPHS2 (SL41306R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 42 kDa

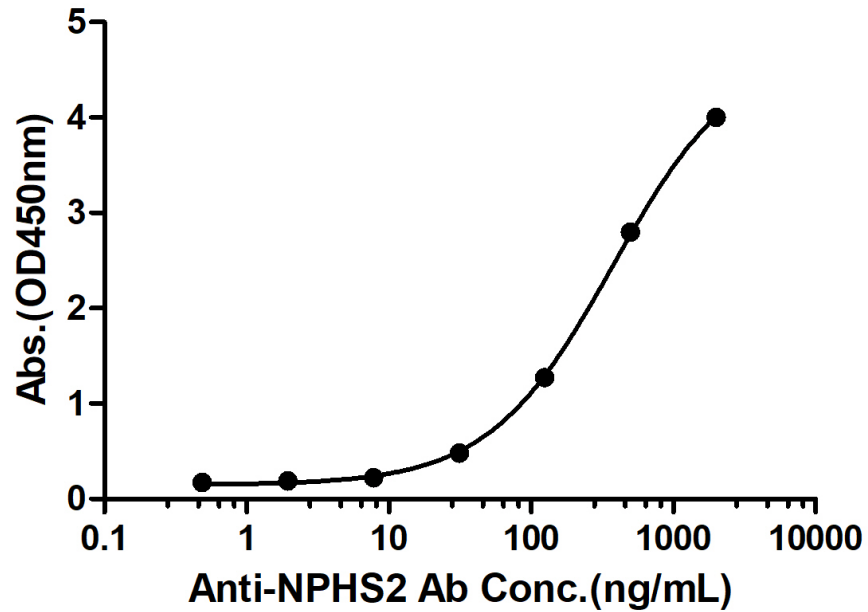
Observed band size: 30 kDa

Rabbit Anti-Human NPHS2 Antibody Bind with Human NPHS2 protein, His Tag



Measured by its binding ability in a indirect ELISA. Immobilized Human NPHS2 protein, His Tag (Cat. SL41306P) at 2 $\mu\text{g/mL}$ (100 $\mu\text{L/well}$) can bind Rabbit Anti-Human NPHS2 Antibody, the EC50 is 155.5 ng/mL.

Rabbit Anti-Human NPHS2 Antibody Bind with Human NPHS2 protein, His Tag



Measured by its binding ability in a indirect ELISA. Immobilized Human NPHS2 protein, His Tag (Cat. SL41306P) at 2 $\mu\text{g/mL}$ (100 $\mu\text{L/well}$) can bind Rabbit Anti-Human NPHS2 Antibody, the EC50 is 374.9 ng/mL.