

Rabbit Anti-PODXL antibody

SL1345R

Product Name:	PODXL
Chinese Name:	足细胞特异蛋白抗体 人名英格兰 人名英格兰 人名英格兰 人名英格兰 人名英格兰 人名英格兰人名英格兰人名英格兰人名英格兰人名英格兰人名英格兰人名英格兰人名英格兰
Alias:	Podocalyxin; PCLP; PCLP1; podocalyxin-like isoform 1 precursor; Podocalyxin like protein; PODXL_HUMAN; GCTM-2 antigen; Gp200; Podocalyxin-like protein 1; PC; PCLP-1; PCX; PODXL.
	Specific References(2) SL1345R has been referenced in 2 publications.
	[IF=0.33]Xing, Yan, et al. "Hydrochloride pioglitazone protects diabetic rats against
	podocyte injury through preserving glomerular podocalyxin expression." Arquivos
文献引用	Brasileiros de Endocrinologia & Metabologia 58 (2014): 6.IHC-P;Rat.
Pub	PubMed:25211446
	[IF=0.88]Blutke, Andreas. "Isolation of Glomerular Podocytes by Cationic Colloidal
	Silica-coated Ferromagnetic Nanoparticles." The Open Urology & Nephrology Journal
	9.1 (2016).IHC-P;Mouse.
	PubMed:0
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human, Mouse, Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-
	Cyt=1µg/TestIF=1:100-500 (Paraffin sections need antigen repair)
	not yet tested in other applications.
	optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	59kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	lmg/ml

immunogen:	KLH conjugated synthetic peptide derived from human PCX:451- 558/558(mo) <cvtoplasmic></cvtoplasmic>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized
	antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a member of the sialomucin protein family. The encoded protein was originally identified as an important component of glomerular podocytes. Podocytes are highly differentiated epithelial cells with interdigitating foot processes covering the outer aspect of the glomerular basement membrane. Other biological activities of the encoded protein include: binding in a membrane protein complex with Na+/H+ exchanger regulatory factor to intracellular cytoskeletal elements, playing a role in hematopoetic cell differentiation, and being expressed in vascular endothelium cells and binding to L-selectin. [provided by RefSeq, Jul 2008] Function: Involved in the regulation of both adhesion and cell morphology and cancer progression. Function as an anti-adhesive molecule that maintains an open filtration pathway between neighboring foot processes in the podocyte by charge repulsion. Acts as a pro-adhesive molecule, enhancing the adherence of cells to immobilized ligands, increasing the rate of migration and cell-cell contacts in an integrin-dependent manner. Induces the formation of apical actin-dependent microvilli. Involved in the formation of a preapical plasma
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associated with ruffles. Colocalizes with vinculin at protrusions of cells. Colocalizes with ITGB1. Colocalizes with PARD3, PRKCI, EXOC5, OCLN, RAB11A and RAB8A in apical membrane initiation sites (AMIS) during the generation of apical surface and luminogenesis.

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Tissue Specificity: Glomerular epithelium cell (podocyte).

Similarity: Belongs to the podocalyxin family.

SWISS: 000592

Gene ID: 5420

Database links:

Entrez Gene: 5420Human

Entrez Gene: 27205Mouse

Entrez Gene: 482252Dog

Omim: 602632Human

SwissProt: Q52S86Dog

SwissProt: O00592Human

SwissProt: Q9R0M4Mouse

Unigene: 732423Human

Unigene: 89918Mouse

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.







