

Datasheet for ABIN2781991
anti-PODXL antibody (N-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	PODXL
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PODXL antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human PODXL
Sequence:	TTTVATSTAT AKPNTTSSQN GAEDTTNSGG KSSHSVTTDL TSTKAEHLTT
Predicted Reactivity:	Human: 100%
Characteristics:	This is a rabbit polyclonal antibody against PODXL. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	PODXL
Alternative Name:	PODXL (PODXL Products)

Target Details

Background:	PODXL is a member of the sialomucin protein family. PODXL 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 PODXL include: binding in a membrane protein complex with Na⁺/H⁺ exchanger regulatory factor to intracellular cytoskeletal elements, playing a role in hematopoietic cell differentiation, and being expressed in vascular endothelium cells and binding to L-selectin. 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 hematopoietic cell differentiation, and being expressed in vascular endothelium cells and binding to L-selectin. Alias Symbols: Gp200, MGC138240, PCLP, PC, PCLP-1 Protein Interaction Partner: UBC, CDK2, SELL, SLC9A3R2, Protein Size: 526
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Molecular Weight:	53 kDa
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Gene ID:	5420
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NCBI Accession:	NM_005397 , NP_005388
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UniProt:	Q53ER6
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Pathways:	Tube Formation
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Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
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Comment:	Antigen size: 526 AA
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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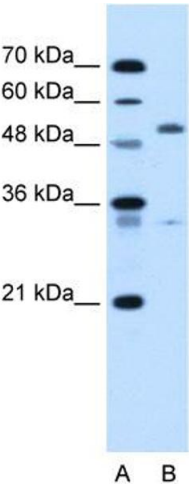
Concentration:	Lot specific
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Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-PODXL Antibody Titration:
5.0ug/ml Positive Control: HepG2 cell lysate