

Datasheet for ABIN1540003  
**anti-PODXL antibody (C-Term)**[Go to Product page](#)

2 Images

1 Publication

## Overview

Quantity:	0.1 mL
Target:	PODXL
Binding Specificity:	AA 410-439, C-Term
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunofluorescence (IF)

## Product Details

Immunogen:	This PODXL antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 410-439 amino acids from the C-terminal region of human PODXL.
Clone:	632CT5-11-4
Isotype:	IgG1
Purification:	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

## Target Details

Target:	PODXL
Alternative Name:	PODXL ( <a href="#">PODXL Products</a> )
Background:	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

## Target Details

glomerular basement membrane. Other biological activities of the encoded protein include: binding in a membrane protein complex with Na<sup>+</sup>/H<sup>+</sup> 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.

Molecular Weight:	58635
Gene ID:	5420
NCBI Accession:	<a href="#">NP_001018121</a> , <a href="#">NP_005388</a>
UniProt:	<a href="#">O00592</a>
Pathways:	<a href="#">Tube Formation</a>

## Application Details

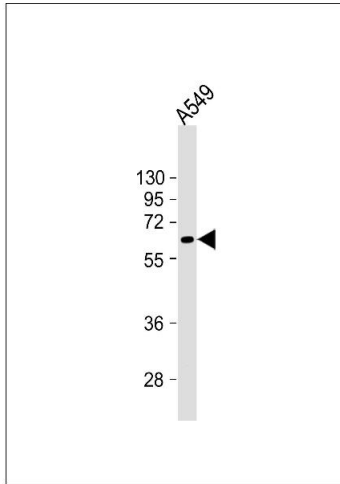
Application Notes:	IF: 1:100. WB: 1:16000
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Mouse monoclonal antibody supplied in crude ascites with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	PODXL Antibody (C-term)(Ascites) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.
Expiry Date:	6 months

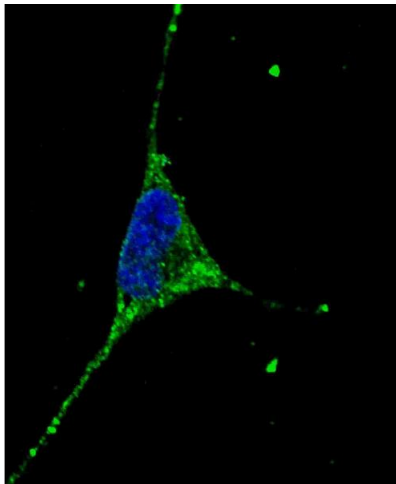
## Publications

Product cited in:	San, Prost, Williams, Moss, Nuber: "High Podocalyxin levels promote cell viability partially through up-regulation of Annexin A2." in: <b>Biochemical and biophysical research communications</b> , Vol. 478, Issue 2, pp. 573-9, (2016) ( <a href="#">PubMed</a> ).
-------------------	--



#### Western Blotting

**Image 1.** "Anti-PODXL Antibody (C-term) (Ascites) at 1:16000 dilution + A549 whole cell lysate Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 58635 Da Blocking/Dilution buffer: 5 % NFDM/TBST."



#### Immunofluorescence

**Image 2.** Fluorescent confocal image of SY5Y cells stained with PODXL (C-term) antibody. SY5Y cells were fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.2 %, 30 min). Cells were then incubated with ABIN1540003 PODXL (C-term) primary antibody (1:100, 2 h at room temperature). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-mouse antibody (green) was used (1:1000, 1h). Nuclei were counterstained with Hoechst 33342 (blue) (10 µg/mL, 5 min).