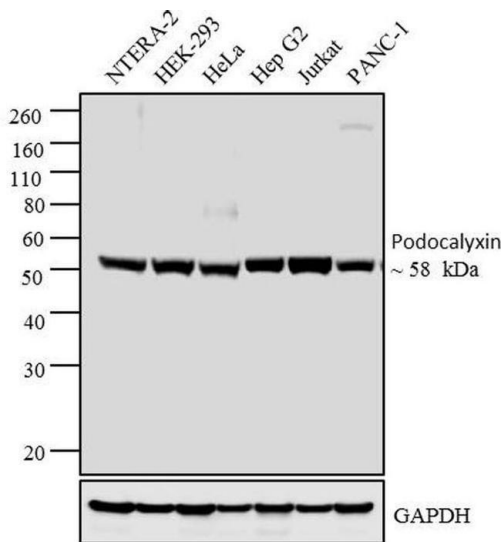


PODXL Monoclonal Antibody (3D3)

Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Dog, Human, Mouse
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	3D3
Conjugate	Unconjugated
Immunogen	Human podocalyxin fusion protein
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2533411

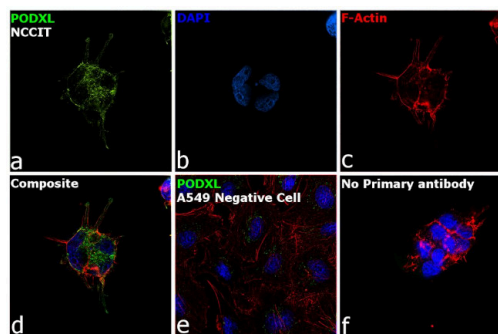
Applications	Tested Dilution	Publications
Western Blot (WB)	2 µg/mL	9 Publications
Immunohistochemistry (IHC)	-	4 Publications
Immunohistochemistry (Frozen) (IHC (F))	Assay-dependent	-
Immunocytochemistry (ICC/IF)	1:2,000	7 Publications
Immunoprecipitation (IP)	Assay-dependent	-
Miscellaneous PubMed (Misc)	-	1 Publication

Product Images For PODXL Monoclonal Antibody (3D3)



PODXL Antibody (39-3800) in WB

Western blot analysis was performed on membrane enriched extracts (30 µg lysate) of NTERA-2 (Lane 1), HEK-293 (Lane 2), HeLa (Lane 3), Hep G2 (Lane 4), Jurkat (Lane 5) and PANC-1 (Lane 6). The blot was probed with Anti-Podocalyxin Mouse Monoclonal Antibody (Product # 39-3800, 2 µg/mL) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A28177, 0.4 µg/mL, 1:2500 dilution). A ~58 kDa band corresponding to Podocalyxin was observed across the cell lines tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0321BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® 2 Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary Antibody using iBind™ Flex Western Starter Kit (Product # SLF2000S). Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).

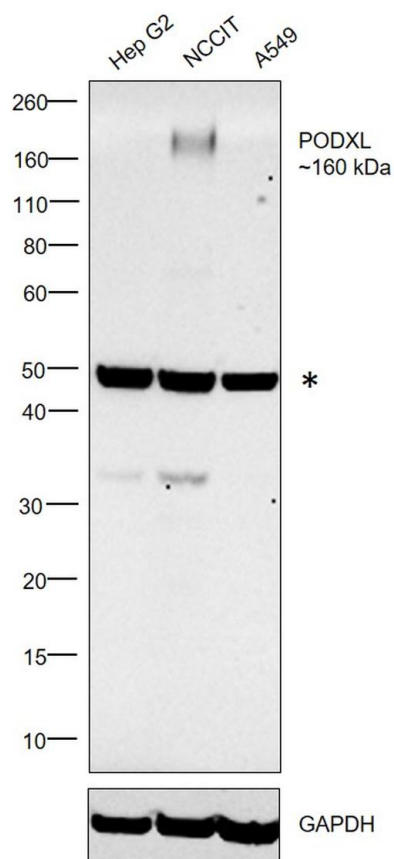


PODXL Antibody (39-3800)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Immunofluorescence analysis using Anti-PODXL Monoclonal Antibody (3D3) (Product # 393800) shows increased expression of PODXL in NCCIT cell line when compared to A549. {RE}

PODXL Antibody (39-3800) in WB

Western blot was performed using Anti-PODXL Monoclonal Antibody (3D3) (Product # 39-3800) and a 160 kDa band corresponding to PODXL was observed in all cell lysates tested except Hep G2 and A549. Whole cell lysates (30 µg lysate) of Hep G2 (Lane 1), NCCIT (Lane 2) and A549 (Lane 3) were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (2 µg/mL) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L), Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005). An uncharacterized band (*) was also observed at ~50 kDa.



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Western Blot (9)

<p>Communications biology</p> <p>GlomSpheres as a 3D co-culture spheroid model of the kidney glomerulus for rapid drug-screening.</p> <p>"39-3800 was used in Western Blotting to demonstrate a dramatic upregulation of key podocyte (podocin, nephrin and podocalyxin) and GEnC (pecam-1) markers. Electron microscopy revealed podocyte foot process interdigitation and endothelial vessel formation."</p> <p>Authors: Tuffin J,Chesor M,Kuzmuk V,Johnson T,Satchell SC,Welsh GI,Saleem MA</p>	<p>Year 2021</p> <p>Species Human</p> <p>Dilution 1:2000</p>
<p>PloS one</p> <p>Bmi1 essentially mediates podocalyxin-enhanced Cisplatin chemoresistance in oral tongue squamous cell carcinoma.</p> <p>"39-3800 was used in western blot to study the molecular basis for cisplatin chemoresistance in oral tongue squamous cell carcinoma"</p> <p>Authors: Zhou Y,Zhang L,Pan H,Wang B,Yan F,Fang X,Munnee K,Tang Z</p>	<p>Year 2016</p> <p>Species Human</p>

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Immunohistochemistry (4)

<p>Nature communications</p> <p>3D organoid-derived human glomeruli for personalised podocyte disease modelling and drug screening.</p> <p>"39-3800 was used in Immunohistochemistry-immunofluorescence to compare 3D human glomeruli sieved from induced pluripotent stem cell-derived kidney organoids with conditionally immortalised human podocyte cell lines."</p> <p>Authors: Hale LJ,Howden SE,Phipson B,Lonsdale A,Er PX,Ghobrial I,Hosawi S,Wilson S,Lawlor KT,Khan S,Oshlack A,Quinlan C,Lennon R,Little MH</p>	<p>Year 2018</p> <p>Species Human</p> <p>Dilution 1:200</p>
<p>Oncology letters</p> <p>Role of podocalyxin in astrocytoma: Clinicopathological and <i>in vitro</i> evidence.</p> <p>"Published figure using PODXL monoclonal antibody (Product # 39-3800) in Immunohistochemistry"</p> <p>Authors: Huang T,Jin X,He L,Zhang M,Wu J,Wang Y,Fang J</p>	<p>Year 2013</p>

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More applications with references on thermofisher.com

- ICC/IF (7)
- Misc (1)

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