

Datasheet for ABIN4913137
anti-PODXL antibody



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1 Image

Overview

Quantity:	100 µL
Target:	PODXL
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PODXL antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

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:	2C4
Isotype:	IgG1
Cross-Reactivity:	Human
Purification:	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

Target Details

Target:	PODXL
Alternative Name:	PODXL (PODXL Products)

Target Details

Background:	Synonyms: PC, PCLP, Gp200, PCLP-1, Podocalyxin, GCTM-2 antigen, Podocalyxin-like protein 1, PODXL, PCLP1 Background: 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 membrane subdomain to set up initial epithelial polarization and the apical lumen formation during renal tubulogenesis. Plays a role in cancer development and aggressiveness by inducing cell migration and invasion through its interaction with the actin-binding protein EZR. Affects EZR-dependent signaling events, leading to increased activities of the MAPK and PI3K pathways in cancer cells.
Gene ID:	5420
UniProt:	O00592
Pathways:	Tube Formation

Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IF()
Restrictions:	For Research Use only

Handling

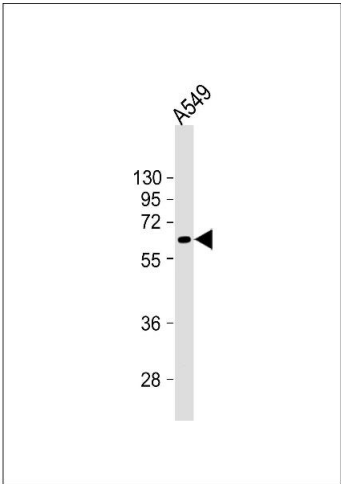
Format:	Liquid
Concentration:	0.5 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C

Handling

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months

Images



Western Blotting

Image 1. A549 cell lysates probed with PODXL (632CT5.11.4) Monoclonal Antibody, unconjugated (bsm-51201M) at 1:1000 overnight at 4°C followed by a conjugated secondary antibody for 60 minutes at 37°C.